ELSEVIER

Surface Science 377–379 (1997) 1119–1131

surface science

Author index

Abraha, P., see Yamaguchi 377–379 (1997) 1015
Adamowicz, L. and M. Zbroszczyk, Low coverage of III–V semiconductor surfaces within TB-LMTO-ASA approach 377–379 (1997) 247
Aeschlimann, M., see Pawlik 377–379 (1997) 206
Aeschlimann, M., see Bauer 377–379 (1997) 350
Agne, M., see Wiessner 377–379 (1997) 937
Aibara, Y., see Matsumoto 377–379 (1997) 32
Aizawa, H. and S. Tsuneyuki, Photo-induced desorption through non-adiabatic couplings 377–379 (1997) 610
Akremi, A., J.P. Lacharme and C.A. Sébenne, Residual gap surface states along variously hydrogenated silicon (111) and (100) surfaces 377–379 (1997) 192
Allison, W., see Holst 377–379 (1997) 891
Ammer, Ch., K. Meinel, H. Wolter and H. Neddermeyer, Oxygen-induced restructuring of strained Cu layers on Ru(0001) 377–379 (1997) 81
Ammer, Ch., see Wolter 377–379 (1997) 983
Andrews, P.T., see Wilson 377–379 (1997) 271
Aono, M., see Petersen 377–379 (1997) 676
Arabczyk, W. and U. Narkiewicz, Kinetics of the oxidation of the iron surface covered with potassium – geometrical aspect 377–379 (1997) 578
Aristov, V.Yu., see Le Lay 377–379 (1997) 1061
Arnault, J.C., see Demuynck 377–379 (1997) 871
Asensio, M.C., see Avila 377–379 (1997) 856
Asensio, M.C., see Le Lay 377–379 (1997) 1061
Astaldi, C., see Prince 377–379 (1997) 117
Avila, J., A. Mascaraque, C. Teodorescu, E.G. Michel and M.C. Asensio, Fe/Si(111) interface formation studied by photoelectron diffraction 377–379 (1997) 856
Avila, J., see Le Lay 377–379 (1997) 1061

Baba, Y., K. Yoshii, H. Yamamoto, T.A. Sasaki and W. Wurth, Element-specific desorption from molecular adsorbates by core-to-valence resonant photoexcitation 377–379 (1997) 699
Bailey, P., see D'Addato 377–379 (1997) 233
Bansmann, J., L. Lu, M. Getzlaff and K.H. Meiwes Broer, Magnetic phenomena of cobalt on Cu(111) 377–379 (1997) 476
Baraldi, A., see Panaccione 377–379 (1997) 440
Baratoff, A., see Bonner 377–379 (1997) 1082
Barbera, S., see Cerrato 377–379 (1997) 50
Barbero, M., G. Mazzeo and A.C. Levi, Surface roughening in a 14-vertex model 377–379 (1997) 519
Barbier, A., see Bulou 377–379 (1997) 90
Baró, A.M., see Veuillen 377–379 (1997) 847
Barrett, N., see Radosavkic 377–379 (1997) 168
Barrett, N., see Marsot 377–379 (1997) 225
Bartenlian, B., see Marsot 377–379 (1997) 225
Baudoing-Savois, R., see Bulou 377–379 (1997) 90
Bauer, E., see Wormeester 377–379 (1997) 988
Bauer, M., see Pawlik 377–379 (1997) 206
Bauer, M., S. Pawlik and M. Aeschlimann, Femtosecond lifetime investigations of excited adsorbate states: atomic oxygen on Cu(111) 377–379 (1997) 350
Beauvillain, P., see Kirilyuk 377–379 (1997) 409
Bechstedt, F., see Schmidt 377–379 (1997) 11
Bechstedt, F., see Großner 377–379 (1997) 619
Becker, C., see Linke 377–379 (1997) 655
Becker, R., see Kuhnke 377–379 (1997) 1056
Bedel, E., see Boero 377–379 (1997) 103
Behm, R.J., see Spitzmüller 377–379 (1997) 1001
Belkhou, R., see Radosavkic 377–379 (1997) 168
Belkhou, R., see Marsot 377–379 (1997) 225
Belkhou, R., J. Thiele and C. Guillot, Growth of Pt/Cu(100): formation of a surface alloy 377–379 (1997) 948
Bending, S.J., see Boero 377–379 (1997) 339
Benedek, G., see Ipatova 377–379 (1997) 436
Benedek, G., see Bertino 377–379 (1997) 714
Benndorf, C., see Hoffmann 377–379 (1997) 681
Bennett, R.A., see Poulston 377–379 (1997) 66
Bertino, M.F., S. Miret-Artés, J.P. Toennies and G. Benedek, Rotationally mediated focussed inelastic resonances in D_2 scattering from Cu(001) 377–379 (1997) 714
Bertolo, M., see Kolmakov 377–379 (1997) 969
Betti, M.G. and C. Mariani, 2D cesium insulating layer deposited on Sb-precovered GaAs(110) surface 377–379 (1997) 210
Betti, M.G., see Gavioli 377–379 (1997) 215
Betti, M.G., see Gavioli 377–379 (1997) 360
Bienfait, M., P. Zeppenfeld, O.E. Vilches, J.P. Palmari and H.J. Lauter, Structure and phase transitions of D_2 + Ar mixtures adsorbed on graphite 377–379 (1997) 504
Bimberg, D., see Cirlin 377–379 (1997) 895

Bird, D.M. and P.A. Gravil, First-principles calculations of molecular dissociation at surfaces 377–379 (1997) 555
Blahusch, G., see Spiel 377–379 (1997) 321
Blahusch, G. and Ch.L. Spiel, Neon desorption by the impact of helium atoms 377–379 (1997) 696
Block, J.H., see Castell 377–379 (1997) 770
Boccuzzi, F., E. Guglielminotti, F. Pinna and G. Strukul, Surface composition and reactivity of bimetallic Au–Pt/ZrO_2 samples 377–379 (1997) 728
Boero, M., J.C. Inkson, G. Faini, C. Vieu, F. Laruelle, E. Bedel and C. Fontaine, A study of ion-implanted semiconductor nanostructures 377–379 (1997) 103
Boero, M., G.R. Nash, S.J. Bending, J.C. Inkson, P. Grambow, K. Eberl and Y. Kershaw, Surface acoustic wave scattering in quantum wire arrays: theory and experiment 377–379 (1997) 339
Boero, M., J.M. Rorison, G. Duggan and J.C. Inkson, A detailed theory of excitons in quantum dots 377–379 (1997) 371
Boneberg, J., see Mugele 377–379 (1997) 62
Bonner, T. and A. Baratoff, Molecular dynamics study of scanning force microscopy on self-assembled monolayers 377–379 (1997) 1082
Borbach, M., W. Stenzel, H. Conrad and A.M. Bradshaw, Hydroxyl formation on Ag(110) studied by HREELS 377–379 (1997) 796
Bordiga, S., see Cerrato 377–379 (1997) 50
Borensztein, Y., see Martin 377–379 (1997) 958
Borstel, G., see Lachnitt 377–379 (1997) 238
Bortolani, V., see Franchini 377–379 (1997) 301
Bowker, M., see Poulston 377–379 (1997) 66
Bowker, M., see Holroyd 377–379 (1997) 786
Boysen, J., see Schneider 377–379 (1997) 275
Bozhevolnyi, S.I. and K. Pedersen, Second harmonic generation due to surface plasmon localization 377–379 (1997) 384
Bozzolo, G., J. Ferrante and R.D. Noebe, Energetics of ternary and quaternary alloy surfaces 377–379 (1997) 1028
Bracco, G., A. Pizzorno and R. Tatarek, Vibrational effects on Ag(110) studied by neutral impact-collision ion scattering 377–379 (1997) 94
Bracco, G., L. Bruschi, L. Pedemonte and R. Tatarek, Temperature dependence of the Ag(110) surface phonons 377–379 (1997) 325
Bracco, G., see Pedemonte 377–379 (1997) 524
Bradshaw, A.M., see Fernandez 377–379 (1997) 388
Bradshaw, A.M., see Cai 377–379 (1997) 470
Bradshaw, A.M., see Miners 377–379 (1997) 791
Bradshaw, A.M., see Borbach 377–379 (1997) 796
Brauer, H.E., see Starnberg 377–379 (1997) 828
Braun, J., see Lachnitt 377–379 (1997) 238
Bremer, J.-H., see Metzner 377–379 (1997) 71
Bromann, K., H. Brune, C. Félix, W. Harbich, R. Monot, J. Buttet and K. Kern, Hard and soft landing of mass selected Ag clusters on Pt(111) 377–379 (1997) 1051
Brookes, N.B., see Dresselhaus 377–379 (1997) 450
Brookes, N.B., see Dürr 377–379 (1997) 466
Brune, H., see Bromann 377–379 (1997) 1051
Bruschi, L., see Bracco 377–379 (1997) 325
Buatier de Mongeot, F., M. Rocca and U. Valbusa, Isothermal desorption of O_2 from Ag(001) 377–379 (1997) 691
Bullett, D.W., see Gülseren 377–379 (1997) 150
Bulou, H., A. Barbier, G. Renaud, B. Carrière, R. Baudoing-Savois and J.P. Deville, Structural investigation of the Pt/Co(0001) interface by GIXS 377–379 (1997) 90
Buttet, J., see Bromann 377–379 (1997) 1051

Cafolla, A.A., C. McGinley, E. McLoughlin, G. Hughes, P. Moriarty, A.W. Dunn, Y.-R. Ma, D. Teehan, B. Murphy, S. Downes and D.A. Woolf, Adsorption of Sb on GaAs(111)B studied by photoemission and low energy electron diffraction 377–379 (1997) 130
Cai, Y.Q., A.M. Bradshaw, A.P.J. Stampfl, S. Tkatchenko, J.D. Riley and R.C.G. Leckey, A temperature-dependent study of the magnetic surface states on Ni(100) using angle-resolved photoemission 377–379 (1997) 470
Çakmak, M. and G.P. Srivastava, A theoretical study of sulphur adsorption on InP(110) 377–379 (1997) 592
Calliari, L., see Vandré 377–379 (1997) 266
Canepa, M., see Salvietti 377–379 (1997) 481
Capozi, M., see Mascaraque 377–379 (1997) 650
Caputi, L.S., see Chiarello 377–379 (1997) 365
Carrière, B., see Bulou 377–379 (1997) 90
Casado, C., see Martin-Gago 377–379 (1997) 172
Casalis, L., see Günther 377–379 (1997) 145
Casalis, L., see Vandré 377–379 (1997) 266
Casarin, M., C. Maccato and A. Vittadini, An LCAO-LDF study of the chemisorption of H_2O and H_2S on ZnO(0001) and ZnO($10\bar{1}0$) 377–379 (1997) 587
Castell, R., S. Reiff, W. Drachsel and J.H. Block, Influence of laser-induced defects on catalytic CO oxidation on Pt(111) 377–379 (1997) 770
Castro, G.R., see Segovia 377–379 (1997) 220
Caudano, Y., A. Peremans, P.A. Thiry, P. Dumas and A. Tadjeddine, Vibrational investigation of chemisorbed C_{60} by infrared–visible sum frequency generation spectroscopy 377–379 (1997) 1071
Cavalleri, O., S.E. Gilbert and K. Kern, Electrochemical Cu deposition on thiol covered Au(111) surfaces 377–379 (1997) 931
Cederbaum, L.S., see Dobrodey 377–379 (1997) 623
Celestini, F., F. Ercolessi and E. Tosatti, Role of orientational order at surface-initiated recrystallization of a liquid metal 377–379 (1997) 914
Cepek, C., see Gavioli 377–379 (1997) 360
Cepek, C., see Magnano 377–379 (1997) 1066
Cerrato, G., S. Bordiga, S. Barbera and C. Morterra, A surface study of monoclinic zirconia (m-ZrO_2) 377–379 (1997) 50
Chab, V., L. Pekarek, I. Ulrych, J. Suchy, K.C. Prince, M. Peloi, M. Evans, C. Comicioli, M. Zacchigna and C. Crotti, Soft X-ray photoemission studies of S/InP(100) 377–379 (1997) 261
Chen, C., see Warren 377–379 (1997) 256
Cherepkov, N.A., see Ostertag 377–379 (1997) 427
Cherepkov, N.A., see Panaccione 377–379 (1997) 440
Cherepkov, N.A., see Panaccione 377–379 (1997) 445

Chiarello, G., A. Cupolillo, L.S. Caputi, L. Papagno and E. Colavita, Collective and single-particle excitations in thin layers of K on Ni(111) 377–379 (1997) 365
Choi, B.-Ch., see Fölsch 377–379 (1997) 851
Chuikov, B.A., see Osovskii 377–379 (1997) 664
Chulkov, E.V., see Sklyadneva 377–379 (1997) 313
Cinti, R.C., see Gómez-Rodríguez 377–379 (1997) 45
Cinti, R.C., see Veuillen 377–379 (1997) 847
Cirlin, G.E., V.N. Petrov, A.O. Golubok, S.Ya. Tipissev, V.G. Dubrovskii, G.M. Guryanov, N.N. Ledentsov and D. Bimberg, Effect of growth kinetics on the InAs/GaAs quantum dot arrays formation on vicinal surfaces 377–379 (1997) 895
Citterio, O., F. Mazzoleni, E. Monticone and G.B. Picotto, Surface characterisation of electroformed mirrors for an X-ray telescope 377–379 (1997) 98
Cocks, I.D., Q. Guo, R. Patel, E.M. Williams, E. Roman and J.L. de Segovia, The structure of TiO_2(110) (1 × 1) and (1 × 2) surfaces with acetic acid adsorption – a PES study 377–379 (1997) 135
Colavita, E., see Chiarello 377–379 (1997) 365
Comicioli, C., see Prince 377–379 (1997) 117
Comicioli, C., see Chab 377–379 (1997) 261
Con Foo, J.A., see Zhang 377–379 (1997) 288
Conrad, H., see Borbach 377–379 (1997) 796
Coulomb, J.P., see Trabelsi 377–379 (1997) 38
Creuzet, F., see Martin 377–379 (1997) 958
Cricenti, A., see Le Lay 377–379 (1997) 1061
Crotti, C., see Prince 377–379 (1997) 117
Crotti, C., see Chab 377–379 (1997) 261
Cupolillo, A., see Chiarello 377–379 (1997) 365
Curró, G.M., see Magnano 377–379 (1997) 1066
Cvetko, D., see Dondi 377–379 (1997) 710

D'Addato, S., P. Bailey, J.M.C. Thornton and D.A. Evans, Core level analysis of the K/GaP(110) interface 377–379 (1997) 233
D'Addato, S., see Pasquali 377–379 (1997) 534
Darling, G.R., see Kinnersley 377–379 (1997) 563
Darling, G.R., see Kinnersley 377–379 (1997) 567
De Jong, W., A.F. van Etteger, P.J. van Hall and Th. Rasing, Coherent plasmon–surface phonon oscillations in a GaAs Schottky barrier sample 377–379 (1997) 355
De Santis, M., see Zalla 377–379 (1997) 279
De Segovia, J.L., see Cocks 377–379 (1997) 135
Dederichs, P.H., see Stepanyuk 377–379 (1997) 495
Degenhardt, D., see Trabelsi 377–379 (1997) 38
Degroote, S., see Fanciulli 377–379 (1997) 529
DeKieviet, M., D. Dubbers, M. Klein, Ch. Schmidt and M. Skrzipczyk, Surface science using molecular beam spin echo 377–379 (1997) 1112
Del Sole, R., see Gavioli 377–379 (1997) 360
Del Sole, R., see Kress 377–379 (1997) 398
Delage, S., B. Legrand and F. Soisson, Phase separation and finite size: from symmetry to asymmetry 377–379 (1997) 551
Delaunay, M.A., see Marsot 377–379 (1997) 225
Demangeat, C., see Parlebas 377–379 (1997) 177
Demuynck, L., J.C. Arnault, R. Polini and F. Le Normand, CVD diamond nucleation and growth on scratched and virgin Si(100) surfaces investigated by in-situ electron spectroscopy 377–379 (1997) 871
Denecke, R., see Zhang 377–379 (1997) 288
Deville, J.P., see Bulou 377–379 (1997) 90
Devriendt, K., see Poelman 377–379 (1997) 819
Dewaele, O., see Poelman 377–379 (1997) 819
Dhanak, V.R., see Wincott 377–379 (1997) 242
Dhanak, V.R., see Vandré 377–379 (1997) 283
Di Tolla, F.D., Interplay of melting, wetting, overheating and faceting on metal surfaces: theory and simulation 377–379 (1997) 499
Dietrich, H., K. Jacobi and G. Ertl, Vibrational analysis of the NH + N coadsorbate on Ru(0001) 377–379 (1997) 308
Dobrodey, N.V., L.S. Cederbaum and F. Tarantelli, On core-hole screening in chemisorption systems 377–379 (1997) 623
Dondi, M.G., C. Mannori, D. Cvetko, L. Floreano, A. Morgante, M. Peloi and F. Tommasini, Interaction of He and Ne with Cu surfaces 377–379 (1997) 710
Dong, W., V. Ledentu, P. Saute, G. Kresse and J. Hafner, A theoretical study of the H-induced reconstructions of the Pd(110) surface 377–379 (1997) 56
Donzelli, O., see Mingozzi 377–379 (1997) 462
Dou, Y. and R.G. Egdell, Surface properties of Cd_2SnO_4 ceramics doped with both In and Sb: a study by EELS and photoemission spectroscopy 377–379 (1997) 181
Downes, S., see Cafolla 377–379 (1997) 130
Downes, S., see Warren 377–379 (1997) 256
Drachsel, W., see Castell 377–379 (1997) 770
Dresselhaus, J., D. Spanke, F.U. Hillebrecht, E. Kisker, G. van der Laan, J.B. Goedkoop and N.B. Brookes, Probing the magnetism of MnFe surface alloys on Fe(100) by circular magnetic dichroism and total yield microscopy 377–379 (1997) 450
Dröge, H., see Trischberger 377–379 (1997) 155
Dubbers, D., see DeKieviet 377–379 (1997) 1112
Dubrovskii, V.G., see Cirlin 377–379 (1997) 895
Duggan, G., see Boero 377–379 (1997) 371
Dumas, P., see Caudano 377–379 (1997) 1071
Dunn, A.W., see Cafolla 377–379 (1997) 130
Duò, L., Surface-hybridization interplay in the spectroscopy of Ce compounds 377–379 (1997) 160
Dürr, H.A., G. van der Laan, D. Spanke, F.U. Hillebrecht, N.B. Brookes and J.B. Goedkoop, Hybridization and magnetism in ultrathin Mn films 377–379 (1997) 466

Eberl, K., see Boero 377–379 (1997) 339
Egdell, R.G., see Dou 377–379 (1997) 181
Egdell, R.G., see Fishlock 377–379 (1997) 629
Eisert, F. and A. Rosén, In situ study of the catalytic reaction $H_2 + 1/2\ O_2 \rightarrow H_2O$ on Pt(111) with second harmonic generation (SHG) 377–379 (1997) 759
Ellis, J. and A.P. Graham, The use of quasielastic helium atom scattering to study correlated motion in adsorbate overlayers 377–379 (1997) 833
Eng, P.J., see Smilgies 377–379 (1997) 1038

Engelmann, P., see Schneider 377–379 (1997) 275
Erbudak, M., see Wetli 377–379 (1997) 876
Ercolessi, F., see Passerone 377–379 (1997) 27
Ercolessi, F., see Celestini 377–379 (1997) 914
Ertl, G., see Dietrich 377–379 (1997) 308
Esaka, F., K. Furuya, H. Shimada, M. Imamura, N. Matsubayashi, T. Sato, A. Nishijima, T. Kikuchi, A. Kawana and H. Ichimura, Depth profiling of surface oxidized TiAlN film by synchrotron radiation excited X-ray photoelectron spectroscopy 377–379 (1997) 197
Esser, N., see Fernandez 377–379 (1997) 388
Esser, N., see Großner 377–379 (1997) 619
Esser, N., see Schintke 377–379 (1997) 953
Evans, D.A., see D'Addato 377–379 (1997) 233
Evans, D.A., see Zhang 377–379 (1997) 288
Evans, M., see Chab 377–379 (1997) 261

Fabrizio, M., see Santoro 377–379 (1997) 514
Faini, G., see Boero 377–379 (1997) 103
Falkenberg, G., L. Seehofer and R.L. Johnson, Changes in the surface morphology of Ge(001) due to Sb adsorption 377–379 (1997) 75
Fanciulli, M., S. Degroote, G. Weyer and G. Langouche, Investigation of the Fe/Si interface and its phase transformations 377–379 (1997) 529
Fassbender, J., see May 377–379 (1997) 992
Fecher, G.H., see Schmied 377–379 (1997) 251
Fecher, G.H., see Ostertag 377–379 (1997) 427
Fecher, G.H., see Schicketanz 377–379 (1997) 432
Fecher, G.H., Y. Hwu and W. Swiech, Chemical microimaging and microspectroscopy of surfaces with a photoemission microscope 377–379 (1997) 1106
Fedorov, A.V., see Weschke 377–379 (1997) 487
Fehrenbacher, M., see Spitzmüller 377–379 (1997) 1001
Félix, C., see Bromann 377–379 (1997) 1051
Fernandez, V., D. Pahlke, N. Esser, K. Stahrenberg, O. Hunderi, A.M. Bradshaw and W. Richter, Study of clean and oxygen-covered Ag surfaces using optical reflectance anisotropy 377–379 (1997) 388
Ferrando, R. and G. Tréglia, Step-descent mechanisms on Ag and Au(111) 377–379 (1997) 843
Ferrante, J., see Bozzolo 377–379 (1997) 1028
Ferraz, A.C. and G.P. Srivastava, Atomic geometry and electronic structure of S/InP(001) 377–379 (1997) 121
Ferro, P., see Salvietti 377–379 (1997) 481
Ferry, D., A. Glebov, V. Senz, J. Suzanne, J.P. Toennies and H. Weiss, The properties of a two-dimensional water layer on MgO(001) 377–379 (1997) 634
Fiermans, L., see Poelman 377–379 (1997) 819
Filippetti, A. and V. Fiorentini, Reconstructions of Ir(110) and (100): an ab initio study 377–379 (1997) 112
Fimland, B.O., see Springer 377–379 (1997) 404
Fimland, B.O., see Schintke 377–379 (1997) 953
Fiorentini, V., see Filippetti 377–379 (1997) 112
Fishlock, T.W., J.B. Pethica, F.H. Jones, R.G. Egdell and J.S. Foord, Interaction of chlorine with nickel (110) studied by scanning tunneling microscopy 377–379 (1997) 629
Flavell, W.R., see Warren 377–379 (1997) 256
Floreano, L., see Dondi 377–379 (1997) 710
Fölsch, S., B.-Ch. Choi and K.-H. Rieder, Structure of ultrathin iron films on a highly asymmetrical substrate: Fe/Cu(311) 377–379 (1997) 851
Fontaine, C., see Boero 377–379 (1997) 103
Fontana, S., see Kolmakov 377–379 (1997) 969
Foord, J.S., see Fishlock 377–379 (1997) 629
Franchini, A., V. Bortolani and R.F. Wallis, Surface localized modes in anharmonic systems at low dimensionality 377–379 (1997) 301
Froment, G.F., see Poelman 377–379 (1997) 819
Fuhrmann, D. and Ch. Wöll, The melting of a two-dimensional lattice of flexible rod-shaped molecules: structure and dynamics studied by He atom scattering 377–379 (1997) 544
Fujita, S., see Maruno 377–379 (1997) 775
Fujita, T., see Tanaka 377–379 (1997) 744
Fukuda, Y., see Kaneda 377–379 (1997) 724
Fukutani, K., H. Iwai, H. Yamashita, Y. Murata, S. Hatori and K. Kobayashi, Interface hydrogen between a Pb overlayer and H-saturated Si(111) studied by a resonant nuclear reaction 377–379 (1997) 1010
Furuya, K., see Esaka 377–379 (1997) 197

Gadenne, P., see Martin 377–379 (1997) 958
Gallego, S., C. Ocal and F. Soria, Surface and bulk reconstruction of Pt(111) 1 × 1 377–379 (1997) 18
Gallis, C., B. Legrand and G. Tréglia, On the "exotic" behaviour of the Pt–Sn system 377–379 (1997) 1033
Gambardella, P., see Vattuone 377–379 (1997) 671
Gantz, Th., see Schneider 377–379 (1997) 275
Gardner, P., see Miners 377–379 (1997) 791
Gavioli, L., M.G. Betti and C. Mariani, Electronic properties of $(2 \times n)$-Bi reconstructions on Si(100) 377–379 (1997) 215
Gavioli, L., M.G. Betti, C. Mariani, A.I. Shkrebtii, R. Del Sole, C. Cepek, A. Goldoni and S. Modesti, Dynamics of the Si(100) surface 377–379 (1997) 360
Gayone, J.E., E.A. Sánchez, R.G. Pregliasco and O. Grizzi, TOF-ISS investigation of the dependence of the GaAs(110) surface derelaxation with the hydrogen exposure 377–379 (1997) 597
Geng, P., see Setzer 377–379 (1997) 125
Getzlaff, M. and G. Schönhense, Electronic structure of adsorbed organic molecules 377–379 (1997) 187
Getzlaff, M., see Schmied 377–379 (1997) 251
Getzlaff, M., see Bansmann 377–379 (1997) 476
Ghazali, A., see Tan 377–379 (1997) 15
Ghazali, A., see Tan 377–379 (1997) 997
Giammichele, C., see Le Lay 377–379 (1997) 1061
Gilbert, S.E., see Cavalleri 377–379 (1997) 931
Glebov, A., see Ferry 377–379 (1997) 634
Goedkoop, J.B., see Dresselhaus 377–379 (1997) 450
Goedkoop, J.B., see Dürr 377–379 (1997) 466
Gokhale, S., see Trischberger 377–379 (1997) 155
Goldoni, A., see Vandré 377–379 (1997) 266
Goldoni, A., see Vandré 377–379 (1997) 283

Goldoni, A., see Gavioli 377–379 (1997) 360
Goldoni, A., see Magnano 377–379 (1997) 1066
Goletti, C., see Springer 377–379 (1997) 404
Golubok, A.O., see Cirlin 377–379 (1997) 895
Gómez-Rodríguez, J.M., J.-Y. Veuillen and R.C. Cinti, Scanning tunneling microscopy study of the Si(111)-($\sqrt{3} \times \sqrt{3}$)-Pb mosaic phase 377–379 (1997) 45
Gómez-Rodríguez, J.M., see Veuillen 377–379 (1997) 847
Göthelid, M., see Le Lay 377–379 (1997) 1061
Graham, A.P., see Ellis 377–379 (1997) 833
Grambow, P., see Boero 377–379 (1997) 339
Graupner, R., see Zhang 377–379 (1997) 288
Gravil, P.A., see Bird 377–379 (1997) 555
Gregoratti, L., see Günther 377–379 (1997) 145
Gregoratti, L., see Vandré 377–379 (1997) 266
Grey, F., see Petersen 377–379 (1997) 676
Grizzi, O., see Gayone 377–379 (1997) 597
Großner, U., W.G. Schmidt, F. Bechstedt, P.V. Santos, B. Koopmans and N. Esser, Chemisorption of arsenic on InP(110) 377–379 (1997) 619
Guglielminotti, E., see Boccuzzi 377–379 (1997) 728
Guillot, C., see Radosavkic 377–379 (1997) 168
Guillot, C., see Marsot 377–379 (1997) 225
Guillot, C., see Belkhou 377–379 (1997) 948
Gülseren, O., R. James and D.W. Bullett, Theoretical analysis of STM experiments at rutile TiO_2 surfaces 377–379 (1997) 150
Günther, S., A. Kolmakov, J. Kovac, L. Casalis, L. Gregoratti, M. Marsi and M. Kiskinova, Scanning photoelectron microscopy of a bimetal/Si interface: Au coadsorbed on Ag/Si(111) 377–379 (1997) 145
Günther, S., see Kolmakov 377–379 (1997) 969
Güntherodt, G., see May 377–379 (1997) 992
Guo, Q., see Cocks 377–379 (1997) 135
Guryanov, G.M., see Cirlin 377–379 (1997) 895

Hafner, J., see Dong 377–379 (1997) 56
Hahn, Th., see Metzner 377–379 (1997) 71
Håkansson, M.C., see Le Lay 377–379 (1997) 1061
Harbich, W., see Bromann 377–379 (1997) 1051
Hardman, P.J., see Wincott 377–379 (1997) 242
Hatori, S., see Fukutani 377–379 (1997) 1010
Haye, M.J., see van Wingerden 377–379 (1997) 1006
Hebenstreit, W., see Schmid 377–379 (1997) 1023
Heinz, K., see Starke 377–379 (1997) 539
Heinz, K., see Weiß 377–379 (1997) 861
Heiz, U., see Vanolli 377–379 (1997) 780
Henk, J., see Trischberger 377–379 (1997) 155
Heras, J.M., see López-Carreño 377–379 (1997) 615
Hergert, W., see Stepanyuk 377–379 (1997) 495
Heynderickx, G., see Poelman 377–379 (1997) 819
Hilaire, L., see Katrib 377–379 (1997) 754
Hillebrecht, F.U., see Dresselhaus 377–379 (1997) 450
Hillebrecht, F.U., see Dürr 377–379 (1997) 466
Hirsimäki, M., see Valden 377–379 (1997) 605
Hla, S.W., V. Marinković and A. Prodan, Nucleation and growth of noble metals on transition-metal di-tellurides 377–379 (1997) 979
Hochstrasser, M., see Wetli 377–379 (1997) 876
Hoffmann, W. and C. Benndorf, Investigations on the influence of substrate geometry of flat and stepped ruthenium surfaces Ru(0001) and Ru(10$\bar{1}$8) on the adsorption kinetics of H_2O and D_2O 377–379 (1997) 681
Hofmann, Ph. and E.W. Plummer, Lattice vibrations at the Be(10$\bar{1}$0) surface 377–379 (1997) 330
Hollering, M., see Zhang 377–379 (1997) 288
Hollingworth, J., see Warren 377–379 (1997) 256
Hollins, P., see Ruggiero 377–379 (1997) 583
Holloway, S., see Kinnersley 377–379 (1997) 563
Holloway, S., see Kinnersley 377–379 (1997) 567
Holroyd, R.P. and M. Bowker, Molecular beam studies of alcohol (C_1–C_3) adsorption and reaction with oxygen-precovered Pd(110) 377–379 (1997) 786
Holst, B., M. Nohlen, K. Wandelt and W. Allison, The growth of ultra thin Cu-films on Pt(111), probed by helium atom scattering and scanning tunneling microscopy 377–379 (1997) 891
Honda, T., see Sugiyama 377–379 (1997) 140
Honke, R., see Zitzlsperger 377–379 (1997) 108
Honke, R., A.P. Mayer, P. Pavone and U. Schröder, Theoretical investigation of the surface dynamics of Si(111):H-(1 × 1) 377–379 (1997) 317
Hübinger, F., see Weschke 377–379 (1997) 487
Hüger, E., see Wormeester 377–379 (1997) 988
Hughes, G., see Cafolla 377–379 (1997) 130
Hughes, H.P., see Starnberg 377–379 (1997) 828
Hunderi, O., see Fernandez 377–379 (1997) 388
Hwu, Y., see Fecher 377–379 (1997) 1106

Iacobucci, S., see Zalla 377–379 (1997) 279
Ichikawa, M., see Maruno 377–379 (1997) 775
Ichimura, H., see Esaka 377–379 (1997) 197
Igel, T., see Pfandzelter 377–379 (1997) 963
Imamura, M., see Esaka 377–379 (1997) 197
Inkson, J.C., see Boero 377–379 (1997) 103
Inkson, J.C., see Boero 377–379 (1997) 339
Inkson, J.C., see Boero 377–379 (1997) 371
Ipatova, I.P., A.Yu. Maslov, L.V. Udod, G. Benedek and G. Panzarini, The enhancement factor of hyper-Raman scattering from an inhomogeneous semiconductor surface 377–379 (1997) 436
Irwin, J.S.G., see Wincott 377–379 (1997) 242
Ithnin, R., see Jones 377–379 (1997) 705
Iwai, H., see Fukutani 377–379 (1997) 1010

Jacobi, K., see Setzer 377–379 (1997) 125
Jacobi, K., see Dietrich 377–379 (1997) 308
Jaegermann, W., see Kamaratos 377–379 (1997) 659
Jakob, P., see Kostov 377–379 (1997) 802
James, R., see Gülseren 377–379 (1997) 150
Jenkins, S.J., see Srivastava 377–379 (1997) 23
Jenkins, S.J., see Tütüncü 377–379 (1997) 335

Jenkins, S.J. and G.P. Srivastava, Energetic evidence for mixed dimer growth on the Si(001)/Ge(2 × 1) surface 377–379 (1997) 887
Jentzsch, Th., see Schicketanz 377–379 (1997) 432
Johnson, R.L., see Falkenberg 377–379 (1997) 75
Johnson, R.L., see van Gemmeren 377–379 (1997) 882
Jones, A., see Poulston 377–379 (1997) 66
Jones, F.H., see Fishlock 377–379 (1997) 629
Jones, G., see Wincott 377–379 (1997) 242
Jones, R.G., S. Turton and R. Ithnin, Hot ethene desorption from Cu(111) 377–379 (1997) 705
Jones, R.G., see Turton 377–379 (1997) 719
Jungwirthová, I., I. Stará and V. Matolin, Study of CO interaction with alumina-supported Pd particles 377–379 (1997) 644
Jupille, J., see Martin 377–379 (1997) 958

Kaindl, G., see Weschke 377–379 (1997) 487
Kamaratos, M., C.A. Papageorgopoulus, D.C. Papageorgopoulos, W. Jaegermann, C. Pettenkofer and J. Lehmann, Adsorption of Br_2 on Na-intercalated n-WSe_2: Br-induced deintercalation 377–379 (1997) 659
Kamusewitz, H., M. Schossig-Tiedemann, M. Keller and D. Paul, Characterization of polymeric membranes by means of scanning force microscopy (SFM) in comparison to results of scanning electron microscopy (SEM) 377–379 (1997) 1076
Kaneda, G., N. Sanada and Y. Fukuda, HREELS study of triethylphosphine (TEP) and tertiarybutylphosphine (TBP) on a Si(001)-(2 × 1) surface 377–379 (1997) 724
Karla, I., see Lachnitt 377–379 (1997) 238
Katrib, A., V. Logie, N. Saurel, P. Wehrer, L. Hilaire and G. Maire, Surface electronic structure and isomerization reactions of alkanes on some transition metal oxides 377–379 (1997) 754
Kawana, A., see Esaka 377–379 (1997) 197
Keller, M., see Kamusewitz 377–379 (1997) 1076
Keller, R.C., see Zimmermann 377–379 (1997) 904
Kern, K., see Cavalleri 377–379 (1997) 931
Kern, K., see Bromann 377–379 (1997) 1051
Kern, K., see Kuhnke 377–379 (1997) 1056
Kershaw, Y., see Boero 377–379 (1997) 339
Kiene, M.E., see Wormeester 377–379 (1997) 988
Kikuchi, T., see Esaka 377–379 (1997) 197
Kim, J.S., see Lee 377–379 (1997) 918
Kim, S.H., see Lee 377–379 (1997) 918
Kinnersley, A.D., G.R. Darling and S. Holloway, A comparison of quantum and classical dynamics of H_2 scattering from Cu(111) 377–379 (1997) 563
Kinnersley, A.D., G.R. Darling and S. Holloway, Effect of initial rotations on the sticking of NO on Pt(111) 377–379 (1997) 567
Kirilyuk, A., A.V. Petukhov, Th. Rasing, R. Mégy and P. Beauvillain, Second harmonic generation study of quantum well states in thin noble metal overlayer films 377–379 (1997) 409
Kirschner, J., see Wiessner 377–379 (1997) 937
Kisker, E., see Dresselhaus 377–379 (1997) 450
Kiskinova, M., see Günther 377–379 (1997) 145
Kiskinova, M., see Vandré 377–379 (1997) 266
Kiskinova, M. and G. Paolucci, Spectromicroscopy of complex interfaces and real-time reaction studies at ELETTRA 377–379 (1997) 735
Kiskinova, M., see Kolmakov 377–379 (1997) 969
Klein, M., see DeKieviet 377–379 (1997) 1112
Klust, A., see Pietsch 377–379 (1997) 909
Kneitz, S., see Maier 377–379 (1997) 1101
Kobayashi, K., see Fukutani 377–379 (1997) 1010
Kociński, J., see Wierzbicki 377–379 (1997) 418
Köhler, U., see Weiß 377–379 (1997) 861
Kolmakov, A., see Günther 377–379 (1997) 145
Kolmakov, A., M. Bertolo, S. Fontana, S. Günther, J. Kovac, M. Marsi and M. Kiskinova, Interface dynamics and electromigration of the system Au–Ag/Si(111) using photoelectron emission microscopy 377–379 (1997) 969
Koopmans, B., see Großner 377–379 (1997) 619
Koschel, H., see Maier 377–379 (1997) 1101
Koshikawa, T., see Yasue 377–379 (1997) 923
Kostov, K.L., P. Jakob and D. Menzel, A new high density CO/oxygen coadsorbate layer on Pt(111) and its role in CO oxidation 377–379 (1997) 802
Kotani, A., see Parlebas 377–379 (1997) 177
Kovac, J., see Günther 377–379 (1997) 145
Kovac, J., see Vandré 377–379 (1997) 266
Kovac, J., see Kolmakov 377–379 (1997) 969
Kress, C., A. Shkrebtii and R. Del Sole, Surface reflectance anisotropy of C(100) and Si(100) ab initio calculations within the pseudopotential plane wave approach 377–379 (1997) 398
Kresse, G., see Dong 377–379 (1997) 56
Krost, A., see Schintke 377–379 (1997) 953
Kruft, M., B. Wohlmann, C. Stuhlmann and K. Wandelt, Chloride adsorption on Cu(111) electrodes in dilute HCl solutions 377–379 (1997) 601
Krüger, P., see Parlebas 377–379 (1997) 177
Kübler, U., see Schmied 377–379 (1997) 251
Kucherenko, Yu., see Rennert 377–379 (1997) 422
Kuhnke, K., R. Becker and K. Kern, C_{60} excited state energy transfer to metal surfaces across distances below 3 nm 377–379 (1997) 1056
Kundrotas, P.J., S. Lapinskas and A. Rosengren, Theoretical study of the oxygen-induced missing-row reconstruction on the Rh(110) surface 377–379 (1997) 7
Kunimori, K., see Uetsuka 377–379 (1997) 765
Kutschera, M., see Weiß 377–379 (1997) 861

Lacharme, J.P., see Akremi 377–379 (1997) 192
Lacharme, J.P., see Zaïbi 377–379 (1997) 639
Lachnitt, J., H. Ufer, I. Karla, M. Neumann, J. Braun and G. Borstel, Photoemission investigation for GdCu 377–379 (1997) 238
Lacquaniti, V., E. Monticone and G.B. Picotto, Structural and surface properties of sputtered Nb films for multilayer devices 377–379 (1997) 1042

Laine, A.D., see Magnano 377–379 (1997) 1066
Laio, A., see Santoro 377–379 (1997) 514
Landemark, E., see Smilgies 377–379 (1997) 1038
Langouche, G., see Fanciulli 377–379 (1997) 529
Lapinskas, S., see Kundrotas 377–379 (1997) 7
Laruelle, F., see Boero 377–379 (1997) 103
Laubschat, C., see Schneider 377–379 (1997) 275
Lauter, H., see Trabelsi 377–379 (1997) 38
Lauter, H.J., see Bienfait 377–379 (1997) 504
Le Huu, T., see Paulmier 377–379 (1997) 866
Le Lay, G., M. Göthelid, V.Yu. Aristov, A. Cricenti, M.C. Håkansson, C. Giammichele, P. Perfetti, J. Avila and M.C. Asensio, Adsorption of C_{60} on Si(111)-$\sqrt{3} \times \sqrt{3}$ R (30°)-Ag 377–379 (1997) 1061
Le Normand, F., see Demuynck 377–379 (1997) 871
Leckey, R.C.G., see Zhang 377–379 (1997) 288
Leckey, R.C.G., see Cai 377–379 (1997) 470
Ledentsov, N.N., see Cirlin 377–379 (1997) 895
Ledentu, V., see Dong 377–379 (1997) 56
Lee, K.S., S.H. Kim, H.G. Min, J. Seo and J.S. Kim, The initial growth mode of Ni deposited on a Ag(001) surface 377–379 (1997) 918
Legrand, B., see Delage 377–379 (1997) 551
Legrand, B., see Gallis 377–379 (1997) 1033
Lehmann, J., see Kamaratos 377–379 (1997) 659
Leiderer, P., see Mugele 377–379 (1997) 62
Lenardi, C., see Vandré 377–379 (1997) 266
Levi, A.C., see Barbero 377–379 (1997) 519
Lévy, J.-C.S., see Tan 377–379 (1997) 15
Lévy, J.-C.S., see Tan 377–379 (1997) 997
Ley, L., see Zhang 377–379 (1997) 288
Li, Y., see Zhang 377–379 (1997) 491
Linke, R., C. Becker, Th. Pelster, M. Tanemura and K. Wandelt, Adsorption of ethene on Cu(111) 377–379 (1997) 655
Lizzit, S., see Panaccione 377–379 (1997) 440
Logie, V., see Katrib 377–379 (1997) 754
López-Carreño, L.D., J.M. Heras and L. Viscido, Adsorption and dissociation of CO_2 on polycrystalline Mo 377–379 (1997) 615
Lu, L., see Bansmann 377–379 (1997) 476

Ma, Y.-R., see Cafolla 377–379 (1997) 130
Maccato, C., see Casarin 377–379 (1997) 587
Magnano, E., S. Vandré, C. Cepek, A. Goldoni, A.D. Laine, G.M. Curró, A. Santaniello and M. Sancrotti, Substrate–adlayer interaction at the C_{60}/Ag(110) interface studied by high-resolution synchrotron radiation 377–379 (1997) 1066
Magni, E. and G.A. Somorjai, Surface science study of model Ziegler–Natta catalysts 377–379 (1997) 824
Maier, F., S. Kneitz, H. Koschel and H.-P. Steinrück, A simple design for a helium scattering apparatus 377–379 (1997) 1101
Maire, G., see Katrib 377–379 (1997) 754
Mannori, C., see Dondi 377–379 (1997) 710
Mariani, C., see Betti 377–379 (1997) 210
Mariani, C., see Gavioli 377–379 (1997) 215
Mariani, C., see Gavioli 377–379 (1997) 360
Marinković, V., see Ramšak 377–379 (1997) 975
Marinković, V., see Hla 377–379 (1997) 979
Marsi, M., see Günther 377–379 (1997) 145
Marsi, M., see Kolmakov 377–379 (1997) 969
Marsot, N., R. Belkhou, F. Scheurer, B. Bartenlian, N. Barrett, M.A. Delaunay and C. Guillot, Characterization of the Co/Au(111) interface by core-level photoemission electron spectroscopy 377–379 (1997) 225
Martin, D., F. Creuzet, J. Jupille, Y. Borensztein and P. Gadenne, 2D and 3D silver adlayers on TiO_2(110) surfaces 377–379 (1997) 958
Martin, R., see Miners 377–379 (1997) 791
Martin-Gago, J.A., J.Y. Veuillen, C. Casado and T.A.N. Tan, Experimental Fermi surface determination of epitaxial $ErSi_{1.7}$(0001) on Si(111) 377–379 (1997) 172
Maruno, S., S. Fujita, H. Watanabe and M. Ichikawa, Oxidation of partially Ga-terminated Si(111) surfaces 377–379 (1997) 775
Mascaraque, A., see Segovia 377–379 (1997) 220
Mascaraque, A., C. Ottaviani, M. Capozi, M. Pedio and E.G. Michel, Oxygen interaction with Si(100) and K/Si(100) 377–379 (1997) 650
Mascaraque, A., see Avila 377–379 (1997) 856
Mase, K., M. Nagasono, S. Tanaka, T. Urisu and S. Nagaoka, Study of ion desorption induced by core-level excitations of condensed $Si(CH_3)_4$ by using photoelectron–photoion coincidence spectroscopy (PEPICO) combined with synchrotron radiation 377–379 (1997) 376
Mase, K., see Nagasono 377–379 (1997) 380
Maslov, A.Yu., see Ipatova 377–379 (1997) 436
Matolin, V., see Jungwirthová 377–379 (1997) 644
Matolín, V., see Nehasil 377–379 (1997) 813
Matsubayashi, N., see Esaka 377–379 (1997) 197
Matsumoto, Y., Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32
Matsumoto, Y., see Tanaka 377–379 (1997) 744
Matsuoka, O., see Sugiyama 377–379 (1997) 140
Mattera, L., see Salvietti 377–379 (1997) 481
Mattern, B., see Zhang 377–379 (1997) 288
May, U., J. Fassbender and G. Güntherodt, RHEED investigations on the "pseudomorphic" growth of cobalt on Cu(001) 377–379 (1997) 992
Mayer, A.P., see Honke 377–379 (1997) 317
Mazzeo, G., see Barbero 377–379 (1997) 519
Mazzoleni, F., see Citterio 377–379 (1997) 98
McGinley, C., see Cafolla 377–379 (1997) 130
McLoughlin, E., see Cafolla 377–379 (1997) 130
Medvedev, V.K., see Osovskii 377–379 (1997) 664
Mégy, R., see Kirilyuk 377–379 (1997) 409
Meier, A., see Pietsch 377–379 (1997) 909
Meier, R., see Weschke 377–379 (1997) 487
Meier, W., see Starke 377–379 (1997) 539
Meinel, K., see Ammer 377–379 (1997) 81
Meinel, K., see Wolter 377–379 (1997) 983

Meisen, P., see Zimmermann 377–379 (1997) 904
Meiwes Broer, K.H., see Bansmann 377–379 (1997) 476
Menzel, D., see Trischberger 377–379 (1997) 155
Menzel, D., see Kostov 377–379 (1997) 802
Metzner, H., Th. Hahn and J.-H. Bremer, Structure of sulphur-terminated silicon surfaces 377–379 (1997) 71
Meyer, G. and K.-H. Rieder, Controlled manipulation of single atoms and small molecules with the scanning tunneling microscope 377–379 (1997) 1087
Michel, E.G., see Segovia 377–379 (1997) 220
Michel, E.G., see Mascaraque 377–379 (1997) 650
Michel, E.G., see Avila 377–379 (1997) 856
Min, H.G., see Lee 377–379 (1997) 918
Miners, J.H., R. Martin, P. Gardner, R. Nalezinski and A.M. Bradshaw, Monitoring adsorbed species during oscillatory reactions using vibrational spectroscopy 377–379 (1997) 791
Mingozzi, M., O. Donzelli, J.M.V. Ngaboyisonga and F. Nizzoli, Effect of magnetic anisotropies on spin waves of multilayers with antiferromagnetic coupling 377–379 (1997) 462
Miret-Artés, S., see Bertino 377–379 (1997) 714
Miyazaki, T., T. Uda, I. Štich and K. Terakura, Structures and energetics of Si_6H_x and $Si_6H_x^+$ clusters 377–379 (1997) 1046
Modesti, S., see Gavioli 377–379 (1997) 360
Møller, P.J., see Wincott 377–379 (1997) 242
Molodtsov, S.L., see Schneider 377–379 (1997) 275
Monot, R., see Bromann 377–379 (1997) 1051
Monticone, E., see Citterio 377–379 (1997) 98
Monticone, E., see Lacquaniti 377–379 (1997) 1042
Morais, J., see Schicketanz 377–379 (1997) 432
Morgante, A., see Dondi 377–379 (1997) 710
Morgen, P., see Pedersen 377–379 (1997) 393
Moriarty, P., see Cafolla 377–379 (1997) 130
Moriwaki, K., see Matsumoto 377–379 (1997) 32
Moroni, R., see Salvietti 377–379 (1997) 481
Morterra, C., see Cerrato 377–379 (1997) 50
Mozaffari, M., see Weiß 377–379 (1997) 861
Mugele, F., A. Rettenberger, J. Boneberg and P. Leiderer, Step roughness on Ag(111) investigated by STM: a systematic study of tip influence 377–379 (1997) 62
Mukai, K., see Matsumoto 377–379 (1997) 32
Murata, Y., see Fukutani 377–379 (1997) 1010
Murphy, B., see Cafolla 377–379 (1997) 130

Nagaoka, S., see Mase 377–379 (1997) 376
Nagasono, M., see Mase 377–379 (1997) 376
Nagasono, M., K. Mase, S. Tanaka and T. Urisu, Auger-final-state selected ion desorption study of condensed NH_3 and ND_3 by using Auger electron–photoion coincidence spectroscopy 377–379 (1997) 380
Naitoh, M., H. Shimaya, S. Nishigaki, N. Oishi and F. Shoji, Scanning tunneling microscopy observation of bismuth growth on Si(100) surfaces 377–379 (1997) 899
Nakamura, M. and H. Tokumoto, Scanning probe microscopy study of the molecular arrangement of CuPc crystal on Si(001)-(2 × 1)-H 377–379 (1997) 85
Nalezinski, R., see Miners 377–379 (1997) 791
Nannarone, S., see Pasquali 377–379 (1997) 534
Narducci, E., see Vandré 377–379 (1997) 266
Narducci, E., see Panaccione 377–379 (1997) 445
Narkiewicz, U., see Arabczyk 377–379 (1997) 578
Nash, G.R., see Boero 377–379 (1997) 339
Neddermeyer, H., see Ammer 377–379 (1997) 81
Neddermeyer, H., see Wolter 377–379 (1997) 983
Nehasil, V., I. Stará and V. Matolín, Molecular beam study of CO and O_2 sticking coefficients on Rh model catalysts 377–379 (1997) 813
Neumann, M., see Lachnitt 377–379 (1997) 238
Ngaboyisonga, J.M.V., see Mingozzi 377–379 (1997) 462
Niebergall, L., see Rennert 377–379 (1997) 422
Nielsen, M., see Smilgies 377–379 (1997) 1038
Nieuwenhuys, B.E., see Matsumoto 377–379 (1997) 32
Nishigaki, S., see Naitoh 377–379 (1997) 899
Nishijima, A., see Esaka 377–379 (1997) 197
Nizzoli, F., see Mingozzi 377–379 (1997) 462
Noebe, R.D., see Bozzolo 377–379 (1997) 1028
Nohlen, M., see Holst 377–379 (1997) 891
Nolting, W., see Potthoff 377–379 (1997) 457
Nozoye, H., see Sugiyama 377–379 (1997) 140

Ocal, C., see Gallego 377–379 (1997) 18
Oelsner, A., see Ostertag 377–379 (1997) 427
Oelsner, A., see Schicketanz 377–379 (1997) 432
Ohnuma, H., see Uetsuka 377–379 (1997) 765
Oishi, N., see Naitoh 377–379 (1997) 899
Okawa, Y., see Matsumoto 377–379 (1997) 32
Okawa, Y., see Tanaka 377–379 (1997) 744
Ollonqvist, T., R. Perälä and J. Väyrynen, Unoccupied electronic states of the FeS_2(100) surface studied by inverse photoemission 377–379 (1997) 201
Osovskii, V.D., Yu.G. Ptushinskii, V.G. Sukretnyi, B.A. Chuikov, V.K. Medvedev and Yu. Suchorski, Molecular adsorption states of O_2 on W(111) at low temperatures (down to 5 K) 377–379 (1997) 664
Ostertag, Ch., J. Paul, N.A. Cherepkov, A. Oelsner, G.H. Fecher and G. Schönhense, Dichroism in VUV photoemission from the (0001)-surfaces of ultrathin Gd and Nd films on W(110) 377–379 (1997) 427
Ottaviani, C., see Prince 377–379 (1997) 117
Ottaviani, C., see Mascaraque 377–379 (1997) 650

Pahlke, D., see Fernandez 377–379 (1997) 388
Palmari, J.P., see Bienfait 377–379 (1997) 504
Panaccione, G., F. Sirotti, S. Lizzit, A. Baraldi, G. Paolucci, N.A. Cherepkov and G. Rossi, Fe 2p photoemission magnetic dichroism with linearly polarized synchrotron radiation and with unpolarized Al Kα radiation 377–379 (1997) 440
Panaccione, G., F. Sirotti, E. Narducci, N.A. Cherepkov and G. Rossi, Magnetic interface formation at Fe/Cr/Fe(100) 377–379 (1997) 445
Panzarini, G., see Ipatova 377–379 (1997) 436
Paolucci, G., see Panaccione 377–379 (1997) 440

Paolucci, G., see Kiskinova 377–379 (1997) 735
Papageorgopoulos, D.C., see Kamaratos 377–379 (1997) 659
Papageorgopoulus, C.A., see Kamaratos 377–379 (1997) 659
Papagno, L., see Chiarello 377–379 (1997) 365
Parlebas, J.C., P. Krüger, M. Taguchi, C. Demangeat and A. Kotani, Calculation for core-s-XPS of transition metals on graphite 377–379 (1997) 177
Pasquali, L., S. D'Addato, L. Tagliavini, A.M. Prandini and S. Nannarone, Surface phase transitions of Ge(111)c(2 × 8) studied by electron energy loss spectroscopy 377–379 (1997) 534
Passerone, D., F. Ercolessi and E. Tosatti, High temperature study of flat reconstructed Au(100) and its vicinals 377–379 (1997) 27
Patel, R., see Cocks 377–379 (1997) 135
Paul, D., see Kamusewitz 377–379 (1997) 1076
Paul, J., see Ostertag 377–379 (1997) 427
Paulmier, D., T. Le Huu and H. Zaidi, Growth and orientation of diamond crystal thin films obtained by the combustion-flame method 377–379 (1997) 866
Pavone, P., see Zitzlsperger 377–379 (1997) 108
Pavone, P., see Honke 377–379 (1997) 317
Pawlik, S., M. Bauer and M. Aeschlimann, Lifetime difference of photoexcited electrons between intraband and interband transitions 377–379 (1997) 206
Pawlik, S., see Bauer 377–379 (1997) 350
Pazzi, V.I. and G.F. Tantardini, Dynamics of oxygen adsorption on Ag(110): surface motion effects 377–379 (1997) 572
Pedemonte, L., see Bracco 377–379 (1997) 325
Pedemonte, L., G. Bracco and R. Tatarek, A critical discussion about the roughening temperature estimation: the Ag(110) case 377–379 (1997) 524
Pedersen, K., see Bozhevolnyi 377–379 (1997) 384
Pedersen, K. and P. Morgen, Optical second-harmonic generation spectroscopy on Si(111)7 × 7 377–379 (1997) 393
Pedio, M., see Mascaraque 377–379 (1997) 650
Pekarek, L., see Chab 377–379 (1997) 261
Peloi, M., see Prince 377–379 (1997) 117
Peloi, M., see Chab 377–379 (1997) 261
Peloi, M., see Dondi 377–379 (1997) 710
Pelster, Th., see Linke 377–379 (1997) 655
Perälä, R., see Ollonqvist 377–379 (1997) 201
Pere, J., see Valden 377–379 (1997) 605
Peremans, A., see Caudano 377–379 (1997) 1071
Perfetti, P., see Prince 377–379 (1997) 117
Perfetti, P., see Le Lay 377–379 (1997) 1061
Pessa, M., see Valden 377–379 (1997) 605
Petersen, C.L., F. Grey and M. Aono, Oxidation of clean silicon surfaces studied by four-point probe surface conductance measurements 377–379 (1997) 676
Pethica, J.B., see Fishlock 377–379 (1997) 629
Petrov, V.N., see Schedin 377–379 (1997) 229
Petrov, V.N., see Cirlin 377–379 (1997) 895
Pettenkofer, C., see Kamaratos 377–379 (1997) 659
Petukhov, A.V., see Kirilyuk 377–379 (1997) 409
Petukhov, A.V. and Th. Rasing, Crystallinity effect on the infrared–visible sum frequency generation in noble metals 377–379 (1997) 414
Pfandzelter, R., T. Igel and H. Winter, Interfacial mixing of ultrathin Cr films on Fe(100) studied by Auger electron spectroscopy 377–379 (1997) 963
Picotto, G.B., see Citterio 377–379 (1997) 98
Picotto, G.B., see Lacquaniti 377–379 (1997) 1042
Pietsch, H., A. Klust, A. Meier and J. Wollschläger, Growth instabilities of CaF_2 adlayers deposited at high temperature on Si(111) 377–379 (1997) 909
Pinczolits, M., see Schmid 377–379 (1997) 1023
Pinna, F., see Boccuzzi 377–379 (1997) 728
Pitarke, J.M. and A. Rivacoba, Electron energy loss for isolated cylinders 377–379 (1997) 294
Pizzorno, A., see Bracco 377–379 (1997) 94
Platen, J., see Setzer 377–379 (1997) 125
Plummer, E.W., see Hofmann 377–379 (1997) 330
Poelman, H., K. Devriendt, L. Fiermans, O. Dewaele, G. Heynderickx and G.F. Froment, XPD investigation of V_2O_5/TiO_2 anatase model catalysts 377–379 (1997) 819
Polak, M. and L. Rubinovich, Evaluation of basic surface segregation trends induced by short-range order in solid solutions 377–379 (1997) 1019
Polcik, M., see Prince 377–379 (1997) 117
Polini, R., see Demuynck 377–379 (1997) 871
Potthoff, M. and W. Nolting, Curie temperature and layer magnetizations of thin bcc (110) Hubbard films 377–379 (1997) 457
Poulston, S., A. Jones, R.A. Bennett and M. Bowker, An STM investigation of formic acid adsorption on oxygen precovered Cu(110) 377–379 (1997) 66
Prandini, A.M., see Pasquali 377–379 (1997) 534
Pregliasco, R.G., see Gayone 377–379 (1997) 597
Prestipino, S. and E. Tosatti, Disordered flat phase in a solid-on-solid model fcc (111) surface 377–379 (1997) 509
Prime, A., see Warren 377–379 (1997) 256
Prince, K.C., B. Ressel, C. Astaldi, M. Peloi, R. Rosei, M. Polcik, C. Crotti, M. Zacchigna, C. Comicioli, C. Ottaviani, C. Quaresima and P. Perfetti, Surface core level shift photoelectron diffraction of Rh(100) 377–379 (1997) 117
Prince, K.C., see Chab 377–379 (1997) 261
Prodan, A., see Ramšak 377–379 (1997) 975
Prodan, A., see Hla 377–379 (1997) 979
Ptushinskii, Yu.G., see Osovskii 377–379 (1997) 664

Qiu, S., see Sugiyama 377–379 (1997) 140
Quaresima, C., see Prince 377–379 (1997) 117

Radosavkic, D., J. Thiele, N. Barrett, C. Guillot and R. Belkhou, Core level photoemission study of the growth of platinum on palladium (111) 377–379 (1997) 168
Ramšak, N., A. Prodan and V. Marinković, Growth of noble metals on (100) faces of $NbSe_3$ 377–379 (1997) 975
Ranke, W., see Setzer 377–379 (1997) 125
Rasing, Th., see de Jong 377–379 (1997) 355
Rasing, Th., see Kirilyuk 377–379 (1997) 409

Rasing, Th., see Petukhov 377–379 (1997) 414
Rath, C., see Starke 377–379 (1997) 539
Rauscher, H., see Spitzmüller 377–379 (1997) 1001
Reiff, S., see Castell 377–379 (1997) 770
Renaud, G., see Bulou 377–379 (1997) 90
Rennert, P., Yu. Kucherenko and L. Niebergall, Dichroism in the spin-polarized Auger electron diffraction for the S/Fe(001) surface 377–379 (1997) 422
Rennert, P., see Stepanyuk 377–379 (1997) 495
Resch-Esser, U., see Springer 377–379 (1997) 404
Resch-Esser, U., see Schintke 377–379 (1997) 953
Reshöft, K., see Weiß 377–379 (1997) 861
Ressel, B., see Prince 377–379 (1997) 117
Rettenberger, A., see Mugele 377–379 (1997) 62
Reuter, D., see Wiessner 377–379 (1997) 937
Richter, M., see Schneider 377–379 (1997) 275
Richter, W., see Fernandez 377–379 (1997) 388
Richter, W., see Springer 377–379 (1997) 404
Richter, W., see Schintke 377–379 (1997) 953
Rieder, K.-H., see Fölsch 377–379 (1997) 851
Rieder, K.-H., see Meyer 377–379 (1997) 1087
Riley, J.D., see Zhang 377–379 (1997) 288
Riley, J.D., see Cai 377–379 (1997) 470
Rivacoba, A., see Pitarke 377–379 (1997) 294
Rocca, M., see Vattuone 377–379 (1997) 671
Rocca, M., see Buatier de Mongeot 377–379 (1997) 691
Roman, E., see Cocks 377–379 (1997) 135
Rorison, J.M., see Boero 377–379 (1997) 371
Rosei, R., see Prince 377–379 (1997) 117
Rosén, A., see Eisert 377–379 (1997) 759
Rosengren, A., see Kundrotas 377–379 (1997) 7
Rossi, G., see Panaccione 377–379 (1997) 440
Rossi, G., see Panaccione 377–379 (1997) 445
Rubinovich, L., see Polak 377–379 (1997) 1019
Ruggiero, C. and P. Hollins, Interaction of CO molecules with the Au(332) surface 377–379 (1997) 583
Rusina, G.G., see Sklyadneva 377–379 (1997) 313

Salvietti, M., P. Ferro, R. Moroni, M. Canepa and L. Mattera, Surface magnetism of an ultrathin Fe/Ag(100) film: influence of O_2 and CO adsorption 377–379 (1997) 481
Sanada, N., see Kaneda 377–379 (1997) 724
Sánchez, E.A., see Gayone 377–379 (1997) 597
Sancrotti, M., see Vandré 377–379 (1997) 266
Sancrotti, M., see Zalla 377–379 (1997) 279
Sancrotti, M., see Vandré 377–379 (1997) 283
Sancrotti, M., see Magnano 377–379 (1997) 1066
Santaniello, A., see Magnano 377–379 (1997) 1066
Santoni, A., see Vandré 377–379 (1997) 283
Santoro, G., A. Laio, M. Fabrizio and E. Tosatti, Interacting hard-core bosons and surface physics 377–379 (1997) 514
Santos, P.V., see Großner 377–379 (1997) 619
Sasaki, T.A., see Baba 377–379 (1997) 699
Sato, T., see Esaka 377–379 (1997) 197
Saurel, N., see Katrib 377–379 (1997) 754
Saute, P., see Dong 377–379 (1997) 56
Schardt, J., see Starke 377–379 (1997) 539
Schedin, F., G. Thornton and V.N. Petrov, Spin asymmetries in inverse photoemission from PbS(100) 377–379 (1997) 229
Scheffler, M., see Stampfl 377–379 (1997) 808
Scheurer, F., see Marsot 377–379 (1997) 225
Schicketanz, M., A. Oelsner, J. Morais, Th. Jentzsch, G.H. Fecher and G. Schönhense, The dependence of circular dichroism in photoemission on the optical properties of Cs monolayers on Pt(111) 377–379 (1997) 432
Schintke, S., U. Resch-Esser, N. Esser, A. Krost, W. Richter and B.O. Fimland, Surfactant-mediated growth of indium on GaAs(001) 377–379 (1997) 953
Schmid, M., M. Pinczolits, W. Hebenstreit and P. Varga, Segregation of impurities on Cr(100) studied by AES and STM 377–379 (1997) 1023
Schmidt, Ch., see DeKieviet 377–379 (1997) 1112
Schmidt, W.G. and F. Bechstedt, Comparison of As-rich and Sb-terminated GaAs(100)(2 × 4) reconstructions 377–379 (1997) 11
Schmidt, W.G., see Großner 377–379 (1997) 619
Schmied, B., M. Wilhelm, U. Kübler, M. Getzlaff, G.H. Fecher and G. Schönhense, Angular-resolved electron spectroscopy from (110) surfaces of ternary Ce-based intermetallics: $CePd_2Si_2$ and $CeNi_2Ge_2$ 377–379 (1997) 251
Schneider, W., Th. Gantz, M. Richter, S.L. Molodtsov, J. Boysen, P. Engelmann, P. Segovia-Cabrero and C. Laubschat, Angle-resolved photoemission study of Dy/Pd(111) and Ce/Pd(111) surface compounds 377–379 (1997) 275
Schneider, W.-D., see Vanolli 377–379 (1997) 780
Scholte, P.M.L.O., see van Wingerden 377–379 (1997) 1006
Schönhense, G., see Getzlaff 377–379 (1997) 187
Schönhense, G., see Schmied 377–379 (1997) 251
Schönhense, G., see Ostertag 377–379 (1997) 427
Schönhense, G., see Schicketanz 377–379 (1997) 432
Schossig-Tiedemann, M., see Kamusewitz 377–379 (1997) 1076
Schröder, U., see Zitzlsperger 377–379 (1997) 108
Schröder, U., see Honke 377–379 (1997) 317
Schüßler-Langeheine, C., see Weschke 377–379 (1997) 487
Sébenne, C.A., see Akremi 377–379 (1997) 192
Sébenne, C.A., see Zaïbi 377–379 (1997) 639
Seehofer, L., see Falkenberg 377–379 (1997) 75
Seelmann-Eggebert, M., see Zimmermann 377–379 (1997) 904
Seelmann-Eggebert, M., Imaging scatterer planes by photoelectron diffraction 377–379 (1997) 1094
Segovia, P., G.R. Castro, A. Mascaraque and E.G. Michel, Metallization onset in K/Si(100)-(2 × 1) 377–379 (1997) 220
Segovia-Cabrero, P., see Schneider 377–379 (1997) 275
Senz, V., see Ferry 377–379 (1997) 634
Seo, J., see Lee 377–379 (1997) 918
Setzer, C., J. Platen, P. Geng, W. Ranke and K. Jacobi, Geometrical and electronic structure of the MBE-prepared GaAs(113)A surface 377–379 (1997) 125
Shimada, H., see Esaka 377–379 (1997) 197
Shimaya, H., see Naitoh 377–379 (1997) 899
Shkrebtii, A., see Kress 377–379 (1997) 398
Shkrebtii, A.I., see Gavioli 377–379 (1997) 360

Shoji, F., see Naitoh 377–379 (1997) 899
Sirotti, F., see Panaccione 377–379 (1997) 440
Sirotti, F., see Panaccione 377–379 (1997) 445
Sklyadneva, I.Yu., G.G. Rusina and E.V. Chulkov, Vibrational states on Pd surfaces 377–379 (1997) 313
Skrzipczyk, M., see DeKieviet 377–379 (1997) 1112
Smilgies, D.M., P.J. Eng, E. Landemark and M. Nielsen, Sputtering of Ge(001): transition between dynamic scaling regimes 377–379 (1997) 1038
Soisson, F., see Delage 377–379 (1997) 551
Somorjai, G.A., see Magni 377–379 (1997) 824
Soria, F., see Gallego 377–379 (1997) 18
Spanke, D., see Dresselhaus 377–379 (1997) 450
Spanke, D., see Dürr 377–379 (1997) 466
Spiel, Ch.L. and G. Blahusch, Helium scattering from adsorbed gas layers observed via the generated phonons 377–379 (1997) 321
Spiel, Ch.L., see Blahusch 377–379 (1997) 696
Spitzmüller, J., M. Fehrenbacher, H. Rauscher and R.J. Behm, Tetramer formation on Si(100)-(2 × 1) during CVD growth from SiH_4 377–379 (1997) 1001
Sporken, R., see van Gemmeren 377–379 (1997) 882
Springer, C., U. Resch-Esser, C. Goletti, W. Richter and B.O. Fimland, Surface reflectance anisotropy of indium-terminated GaAs(100) surfaces 377–379 (1997) 404
Srivastava, G.P. and S.J. Jenkins, Atomic structure and bonding on GaAs(001)/Sb(2 × 4) 377–379 (1997) 23
Srivastava, G.P., see Ferraz 377–379 (1997) 121
Srivastava, G.P., see Tütüncü 377–379 (1997) 304
Srivastava, G.P., see Tütüncü 377–379 (1997) 335
Srivastava, G.P., see Çakmak 377–379 (1997) 592
Srivastava, G.P., see Jenkins 377–379 (1997) 887
Stahrenberg, K., see Fernandez 377–379 (1997) 388
Stampfl, A.P.J., see Zhang 377–379 (1997) 288
Stampfl, A.P.J., see Cai 377–379 (1997) 470
Stampfl, C. and M. Scheffler, Study of CO oxidation over Ru(0001) at high gas pressures 377–379 (1997) 808
Stará, I., see Jungwirthová 377–379 (1997) 644
Stará, I., see Nehasil 377–379 (1997) 813
Starke, K., see Weschke 377–379 (1997) 487
Starke, U., W. Meier, C. Rath, J. Schardt, W. Weiß and K. Heinz, Phase transition and atomic structure of an Fe_3Si(100) single crystal surface 377–379 (1997) 539
Starke, U., see Weiß 377–379 (1997) 861
Starnberg, H.I., H.E. Brauer and H.P. Hughes, Exchange reaction between intercalated Na and K studied by synchrotron radiation 377–379 (1997) 828
Steinrück, H.-P., see Trischberger 377–379 (1997) 155
Steinrück, H.-P., see Maier 377–379 (1997) 1101
Stenzel, W., see Borbach 377–379 (1997) 796
Stepanyuk, V.S., W. Hergert, P. Rennert, K. Wildberger, R. Zeller and P.H. Dederichs, Transition metal magnetic nanostructures on metal surfaces 377–379 (1997) 495
Štich, I., see Miyazaki 377–379 (1997) 1046
Strukul, G., see Boccuzzi 377–379 (1997) 728
Stuhlmann, C., see Kruft 377–379 (1997) 601
Stuke, M., see Viereck 377–379 (1997) 687
Suchorski, Yu., see Osovskii 377–379 (1997) 664
Suchy, J., see Chab 377–379 (1997) 261
Sugiyama, S., S. Yamamoto, O. Matsuoka, T. Honda, H. Nozoye, S. Qiu, J. Yu and O. Terasaki, Surface structure of synthesized mordenite crystal studied by atomic force microscopy 377–379 (1997) 140
Suhonen, S., see Valden 377–379 (1997) 605
Sukretnyi, V.G., see Osovskii 377–379 (1997) 664
Suzanne, J., see Ferry 377–379 (1997) 634
Swiech, W., see Fecher 377–379 (1997) 1106

Tadjeddine, A., see Caudano 377–379 (1997) 1071
Tagliavini, L., see Pasquali 377–379 (1997) 534
Taguchi, M., see Parlebas 377–379 (1997) 177
Tan, S., A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15
Tan, S., A. Ghazali and J.-C.S. Lévy, Monte Carlo simulation of epitaxial growth on a (111) layer with mismatch 377–379 (1997) 997
Tan, T.A.N., see Martin-Gago 377–379 (1997) 172
Tanaka, K., see Matsumoto 377–379 (1997) 32
Tanaka, K., Y. Okawa, Y. Matsumoto and T. Fujita, Atomic-scale fabrication of novel surfaces using chemical reactions 377–379 (1997) 744
Tanaka, S., see Mase 377–379 (1997) 376
Tanaka, S., see Nagasono 377–379 (1997) 380
Tanemura, M., see Linke 377–379 (1997) 655
Tantardini, G.F., see Pazzi 377–379 (1997) 572
Tarantelli, F., see Dobrodey 377–379 (1997) 623
Tatarek, R., see Bracco 377–379 (1997) 94
Tatarek, R., see Bracco 377–379 (1997) 325
Tatarek, R., see Pedemonte 377–379 (1997) 524
Teehan, D., see Cafolla 377–379 (1997) 130
Teodorescu, C., see Avila 377–379 (1997) 856
Terakura, K., see Miyazaki 377–379 (1997) 1046
Terasaki, O., see Sugiyama 377–379 (1997) 140
Thiele, J., see Radosavkic 377–379 (1997) 168
Thiele, J., see Belkhou 377–379 (1997) 948
Thiry, P.A., see van Gemmeren 377–379 (1997) 882
Thiry, P.A., see Caudano 377–379 (1997) 1071
Thomas, A.G., see Warren 377–379 (1997) 256
Thornton, G., see Schedin 377–379 (1997) 229
Thornton, G., see Wincott 377–379 (1997) 242
Thornton, J.M.C., see D'Addato 377–379 (1997) 233
Tipissev, S.Ya., see Cirlin 377–379 (1997) 895
Tkatchenko, S., see Cai 377–379 (1997) 470
Toennies, J.P., see Ferry 377–379 (1997) 634
Toennies, J.P., see Bertino 377–379 (1997) 714
Tokumoto, H., see Nakamura 377–379 (1997) 85
Tommasini, F., see Dondi 377–379 (1997) 710
Tosatti, E., see Passerone 377–379 (1997) 27
Tosatti, E., see Prestipino 377–379 (1997) 509
Tosatti, E., see Santoro 377–379 (1997) 514
Tosatti, E., see Celestini 377–379 (1997) 914
Trabelsi, M., J.P. Coulomb, D. Degenhardt and H. Lauter, Structures of the nitrogen monolayer adsorbed on MgO(100) 377–379 (1997) 38

Träger, F., see Viereck 377–379 (1997) 687
Tréglia, G., see Ferrando 377–379 (1997) 843
Tréglia, G., see Gallis 377–379 (1997) 1033
Trischberger, P., H. Dröge, S. Gokhale, J. Henk, H.-P. Steinrück, W. Widdra and D. Menzel, One-dimensional xenon band structures on hydrogen modified and stepped platinum surfaces 377–379 (1997) 155
Tsuneyuki, S., see Aizawa 377–379 (1997) 610
Tuinstra, F., see van Wingerden 377–379 (1997) 1006
Turton, S., see Jones 377–379 (1997) 705
Turton, S. and R.G. Jones, Ethene stabilised by halogens on Cu(111) 377–379 (1997) 719
Tütüncü, H.M. and G.P. Srivastava, A comparative study of atomic vibrations on GaAs(110) and InAs(110) 377–379 (1997) 304
Tütüncü, H.M., S.J. Jenkins and G.P. Srivastava, Phonon modes for the symmetric and asymmetric dimer models of the Si(001)(2 × 1) surface 377–379 (1997) 335

Uchida, M., see Yamaguchi 377–379 (1997) 1015
Uda, T., see Miyazaki 377–379 (1997) 1046
Udod, L.V., see Ipatova 377–379 (1997) 436
Uetsuka, H., K. Watanabe, H. Ohnuma and K. Kunimori, Infrared chemiluminescence study of the dynamics of steady-state CO oxidation on single-crystal PD surfaces: effect of oxygen pretreatment 377–379 (1997) 765
Ufer, H., see Lachnitt 377–379 (1997) 238
Ulrych, I., see Chab 377–379 (1997) 261
Urisu, T., see Mase 377–379 (1997) 376
Urisu, T., see Nagasono 377–379 (1997) 380

Valbusa, U., see Vattuone 377–379 (1997) 671
Valbusa, U., see Buatier de Mongeot 377–379 (1997) 691
Valden, M., J. Pere, M. Hirsimäki, S. Suhonen and M. Pessa, Activated adsorption of methane on clean and oxygen-modified Pt{111} and Pd{110} 377–379 (1997) 605
Van der Laan, G., see Dresselhaus 377–379 (1997) 450
Van der Laan, G., see Dürr 377–379 (1997) 466
Van Etteger, A.F., see de Jong 377–379 (1997) 355
Van Gemmeren, T., R.L. Johnson, R. Sporken and P.A. Thiry, Photoemission study of CdTe growth on GaSb(111)A 377–379 (1997) 882
Van Hall, P.J., see de Jong 377–379 (1997) 355
Van Wingerden, J., M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006
Vandré, S., E. Narducci, A. Goldoni, C. Lenardi, L. Calliari, L. Casalis, L. Gregoratti, J. Kovac, M. Kiskinova and M. Sancrotti, Spectromicroscopy of the metastable Au/Si(111) interface studied by means of synchrotron radiation 377–379 (1997) 266
Vandré, S., A. Santoni, A. Goldoni, V.R. Dhanak and M. Sancrotti, High-temperature core-level photoemission study of Si(111) 377–379 (1997) 283
Vandré, S., see Magnano 377–379 (1997) 1066
Vanolli, F., U. Heiz and W.-D. Schneider, Thermal chemistry of $Mn_2(CO)_{10}$ deposited on MgO thin films 377–379 (1997) 780
Varga, P., see Schmid 377–379 (1997) 1023
Vattuone, L., P. Gambardella, U. Valbusa and M. Rocca, HREELS study of O_2 molecular chemisorption on Ag(001) 377–379 (1997) 671
Väyrynen, J., see Ollonqvist 377–379 (1997) 201
Veuillen, J.-Y., see Gómez-Rodríguez 377–379 (1997) 45
Veuillen, J.-Y., J.M. Gómez-Rodríguez, A.M. Baró and R.C. Cinti, Adsorption and diffusion of single Pb atoms on Si(111)7 × 7 and Si(111)5 × 5 surfaces studied by scanning tunneling microscopy 377–379 (1997) 847
Veuillen, J.Y., see Martin-Gago 377–379 (1997) 172
Viereck, J., M. Stuke and F. Träger, Non-thermal kinetic-energy distributions of desorbed Na dimers 377–379 (1997) 687
Vieu, C., see Boero 377–379 (1997) 103
Vilches, O.E., see Bienfait 377–379 (1997) 504
Viscido, L., see López-Carreño 377–379 (1997) 615
Vittadini, A., see Casarin 377–379 (1997) 587

Wallis, R.F., see Franchini 377–379 (1997) 301
Wandelt, K., see Kruft 377–379 (1997) 601
Wandelt, K., see Linke 377–379 (1997) 655
Wandelt, K., see Holst 377–379 (1997) 891
Wandelt, K., see Wolter 377–379 (1997) 983
Warren, S., A.G. Thomas, J. Hollingworth, W.R. Flavell, P.L. Wincott, A. Prime, S. Downes and C. Chen, Angle-resolved photoemission of CuO (100) 377–379 (1997) 256
Watanabe, H., see Maruno 377–379 (1997) 775
Watanabe, K., see Uetsuka 377–379 (1997) 765
Wehrer, P., see Katrib 377–379 (1997) 754
Weichel, S., see Wincott 377–379 (1997) 242
Weiss, H., see Ferry 377–379 (1997) 634
Weiß, W., see Starke 377–379 (1997) 539
Weiß, W., M. Kutschera, U. Starke, M. Mozaffari, K. Reshöft, U. Köhler and K. Heinz, Development of structural phases of iron silicide films on Si(111) studied by LEED, AES and STM 377–379 (1997) 861
Weiß, W., Structure and composition of thin epitaxial iron oxide films grown onto Pt(111) 377–379 (1997) 943
Weschke, E., C. Schüßler-Langeheine, R. Meier, A.V. Fedorov, K. Starke, F. Hübinger and G. Kaindl, Evidence for Stoner-like behavior of the surface state on Gd(0001) 377–379 (1997) 487
Wetli, E., M. Hochstrasser and M. Erbudak, Epitaxial growth of Ag in the hexagonal structure 377–379 (1997) 876
Weyer, G., see Fanciulli 377–379 (1997) 529
Widdra, W., see Trischberger 377–379 (1997) 155
Wierzbicki, M. and J. Kociński, Light propagation in an antiferromagnetic spiral 377–379 (1997) 418
Wiessner, A., M. Agne, D. Reuter and J. Kirschner, Formation of copper crystallites on a Cu/Fe/Cu(100) sandwich 377–379 (1997) 937
Wildberger, K., see Stepanyuk 377–379 (1997) 495
Wilhelm, M., see Schmied 377–379 (1997) 251
Williams, E.M., see Cocks 377–379 (1997) 135

Wilson, L.K. and P.T. Andrews, Unoccupied surface states of Cr(001) detected by K-resolved inverse photoemission 377–379 (1997) 271
Wincott, P.L., J.S.G. Irwin, G. Jones, P.J. Hardman, G. Thornton, S. Weichel, P.J. Møller and V.R. Dhanak, Angle-resolved photoemission studies of the $\bar{\Gamma}$ Shockley surface state on ordered Cu(111) overlayers on TiO_2(110) 377–379 (1997) 242
Wincott, P.L., see Warren 377–379 (1997) 256
Winter, H., see Pfandzelter 377–379 (1997) 963
Wohlmann, B., see Kruft 377–379 (1997) 601
Wolf, M., Femtosecond dynamics of electronic excitations at metal surfaces 377–379 (1997) 343
Wolfframm, D., see Zhang 377–379 (1997) 288
Wöll, Ch., see Fuhrmann 377–379 (1997) 544
Wollschläger, J., see Pietsch 377–379 (1997) 909
Wolter, H., see Ammer 377–379 (1997) 81
Wolter, H., K. Meinel, Ch. Ammer, K. Wandelt and H. Neddermeyer, Growth of Cu films on annealed Cu/O/Ru(0001) studied by STM 377–379 (1997) 983
Woolf, D.A., see Cafolla 377–379 (1997) 130
Wormeester, H., M.E. Kiene, E. Hüger and E. Bauer, Growth of hcp Cu on W(100) 377–379 (1997) 988
Wurth, W., see Baba 377–379 (1997) 699

Xue, J.Y., see Zhang 377–379 (1997) 288

Yamaguchi, K., M. Uchida and P. Abraha, Measurement of the pressure distribution on contact surfaces by the detection of a transferred oil film 377–379 (1997) 1015
Yamamoto, H., see Baba 377–379 (1997) 699
Yamamoto, S., see Sugiyama 377–379 (1997) 140
Yamashita, H., see Fukutani 377–379 (1997) 1010
Yasue, T. and T. Koshikawa, Effect of hydrogen on Cu formation on Si(111) 377–379 (1997) 923
Yoshii, K., see Baba 377–379 (1997) 699
Yu, J., see Sugiyama 377–379 (1997) 140

Zacchigna, M., see Prince 377–379 (1997) 117
Zacchigna, M., see Chab 377–379 (1997) 261
Zaïbi, M.A., J.P. Lacharme and C.A. Sébenne, Water vapour adsorption on the Si(111)-(7 × 7) surface 377–379 (1997) 639
Zaidi, H., see Paulmier 377–379 (1997) 866
Zalla, R., S. Iacobucci, M. De Santis and M. Sancrotti, Cu 2p X-ray absorption spectroscopy of the metastable Cu/Ag(001) interface 377–379 (1997) 279
Zandvliet, H.J.W., Ordering of vacancies on Si(001) 377–379 (1997) 1
Zbroszczyk, M., see Adamowicz 377–379 (1997) 247
Zeller, R., see Stepanyuk 377–379 (1997) 495
Zeppenfeld, P., see Bienfait 377–379 (1997) 504
Zhang, H.M. and Y. Li, Magnetic anisotropy of the near-surface region of Ni(110) 377–379 (1997) 491
Zhang, Y., J.Y. Xue, J.A. Con Foo, A.P.J. Stampfl, D. Wolfframm, D.A. Evans, J.D. Riley, R.C.G. Leckey, A. Ziegler, B. Mattern, R. Graupner, M. Hollering, R. Denecke and L. Ley, The valence band structure of the ZnSe{001}-(2 × 1) surface as determined by angle-resolved photoemission spectroscopy 377–379 (1997) 288
Ziegler, A., see Zhang 377–379 (1997) 288
Zimmermann, H., R.C. Keller, P. Meisen and M. Seelmann-Eggebert, Growth of Sn thin films on CdTe(111) 377–379 (1997) 904
Zitzlsperger, M., R. Honke, P. Pavone and U. Schröder, Ab initio calculation of the structure, the electronic states and the phonon dispersion of the Si(111)-(2 × 1) surface 377–379 (1997) 108

ELSEVIER

Surface Science 377–379 (1997) 1132–1152

surface science

Subject index

THEORETICAL METHODS, MODELS AND TECHNIQUES

Ab initio quantum chemical methods and calculations

O. Gülseren, R. James and D.W. Bullett, Theoretical analysis of STM experiments at rutile TiO_2 surfaces 377–379 (1997) 150

N.V. Dobrodey, L.S. Cederbaum and F. Tarantelli, On core-hole screening in chemisorption systems 377–379 (1997) 623

T. Miyazaki, T. Uda, I. Štich and K. Terakura, Structures and energetics of Si_6H_x and $Si_6H_x^+$ clusters 377–379 (1997) 1046

Atom–solid interactions, scattering, diffraction

M. Salvietti, P. Ferro, R. Moroni, M. Canepa and L. Mattera, Surface magnetism of an ultrathin Fe/Ag(100) film: influence of O_2 and CO adsorption 377–379 (1997) 481

A.D. Kinnersley, G.R. Darling and S. Holloway, A comparison of quantum and classical dynamics of H_2 scattering from Cu(111) 377–379 (1997) 563

M.G. Dondi, C. Mannori, D. Cvetko, L. Floreano, A. Morgante, M. Peloi and F. Tommasini, Interaction of He and Ne with Cu surfaces 377–379 (1997) 710

M.F. Bertino, S. Miret-Artés, J.P. Toennies and G. Benedek, Rotationally mediated focussed inelastic resonances in D_2 scattering from Cu(001) 377–379 (1997) 714

J. Ellis and A.P. Graham, The use of quasielastic helium atom scattering to study correlated motion in adsorbate overlayers 377–379 (1997) 833

Atomistic dynamics

G. Panaccione, F. Sirotti, S. Lizzit, A. Baraldi, G. Paolucci, N.A. Cherepkov and G. Rossi, Fe 2p photoemission magnetic dichroism with linearly polarized synchrotron radiation and with unpolarized Al Kα radiation 377–379 (1997) 440

A.D. Kinnersley, G.R. Darling and S. Holloway, Effect of initial rotations on the sticking of NO on Pt(111) 377–379 (1997) 567

Computer simulations

P.J. Kundrotas, S. Lapinskas and A. Rosengren, Theoretical study of the oxygen-induced missing-row reconstruction on the Rh(110) surface 377–379 (1997) 7

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15

D. Passerone, F. Ercolessi and E. Tosatti, High temperature study of flat reconstructed Au(100) and its vicinals 377–379 (1997) 27

V.I. Pazzi and G.F. Tantardini, Dynamics of oxygen adsorption on Ag(110): surface motion effects 377–379 (1997) 572

J. Ellis and A.P. Graham, The use of quasielastic helium atom scattering to study correlated motion in adsorbate overlayers 377–379 (1997) 833

K.S. Lee, S.H. Kim, H.G. Min, J. Seo and J.S. Kim, The initial growth mode of Ni deposited on a Ag(001) surface 377–379 (1997) 918

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte Carlo simulation of epitaxial growth on a (111) layer with mismatch 377–379 (1997) 997

T. Bonner and A. Baratoff, Molecular dynamics study of scanning force microscopy on self-assembled monolayers 377–379 (1997) 1082

Construction and use of effective interatomic interactions

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15

J. Ellis and A.P. Graham, The use of quasielastic helium atom scattering to study correlated motion in adsorbate overlayers 377–379 (1997) 833

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte Carlo simulation of epitaxial growth on a (111) layer with mismatch 377–379 (1997) 997

Density functional calculations

W.G. Schmidt and F. Bechstedt, Comparison of As-rich and Sb-terminated GaAs(100)(2 × 4) reconstructions 377–379 (1997) 11

G.P. Srivastava and S.J. Jenkins, Atomic structure and bonding on GaAs(001)/Sb(2 × 4) 377–379 (1997) 23

W. Dong, V. Ledentu, P. Saute, G. Kresse and J. Hafner, A theoretical study of the H-induced reconstructions of the Pd(110) surface 377–379 (1997) 56

M. Zitzlsperger, R. Honke, P. Pavone and U. Schröder, Ab initio calculation of the structure, the electronic states and the phonon dispersion of the Si(111)-(2 × 1) surface 377–379 (1997) 108

A. Filippetti and V. Fiorentini, Reconstructions of Ir(110) and (100): an ab initio study 377–379 (1997) 112
A.C. Ferraz and G.P. Srivastava, Atomic geometry and electronic structure of S/InP(001) 377–379 (1997) 121
R. Honke, A.P. Mayer, P. Pavone and U. Schröder, Theoretical investigation of the surface dynamics of Si(111):H-(1 × 1) 377–379 (1997) 317
C. Kress, A. Shkrebtii and R. Del Sole, Surface reflectance anisotropy of C(100) and Si(100) ab initio calculations within the pseudopotential plane wave approach 377–379 (1997) 398
D.M. Bird and P.A. Gravil, First-principles calculations of molecular dissociation at surfaces 377–379 (1997) 555
M. Casarin, C. Maccato and A. Vittadini, An LCAO-LDF study of the chemisorption of H_2O and H_2S on ZnO(0001) and ZnO(10$\bar{1}$0) 377–379 (1997) 587
M. Çakmak and G.P. Srivastava, A theoretical study of sulphur adsorption on InP(110) 377–379 (1997) 592
U. Großner, W.G. Schmidt, F. Bechstedt, P.V. Santos, B. Koopmans and N. Esser, Chemisorption of arsenic on InP(110) 377–379 (1997) 619
S.J. Jenkins and G.P. Srivastava, Energetic evidence for mixed dimer growth on the Si(001)/Ge(2 × 1) surface 377–379 (1997) 887
T. Miyazaki, T. Uda, I. Štich and K. Terakura, Structures and energetics of Si_6H_x and $Si_6H_x^+$ clusters 377–379 (1997) 1046

Electron density, excitation spectra calculations

J.C. Parlebas, P. Krüger, M. Taguchi, C. Demangeat and A. Kotani, Calculation for core-s-XPS of transition metals on graphite 377–379 (1997) 177
S. Pawlik, M. Bauer and M. Aeschlimann, Lifetime difference of photoexcited electrons between intraband and interband transitions 377–379 (1997) 206
A.V. Petukhov and Th. Rasing, Crystallinity effect on the infrared–visible sum frequency generation in noble metals 377–379 (1997) 414

Electron–solid interactions, scattering, diffraction

S. Gallego, C. Ocal and F. Soria, Surface and bulk reconstruction of Pt(111) 1 × 1 377–379 (1997) 18
J.M. Pitarke and A. Rivacoba, Electron energy loss for isolated cylinders 377–379 (1997) 294
H. Poelman, K. Devriendt, L. Fiermans, O. Dewaele, G. Heynderickx and G.F. Froment, XPD investigation of V_2O_5/TiO_2 anatase model catalysts 377–379 (1997) 819

Equilibrium thermodynamics and statistical mechanics

P.J. Kundrotas, S. Lapinskas and A. Rosengren, Theoretical study of the oxygen-induced missing-row reconstruction on the Rh(110) surface 377–379 (1997) 7
S. Tan, A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15
G. Santoro, A. Laio, M. Fabrizio and E. Tosatti, Interacting hard-core bosons and surface physics 377–379 (1997) 514
M. Barbero, G. Mazzeo and A.C. Levi, Surface roughening in a 14-vertex model 377–379 (1997) 519
S. Delage, B. Legrand and F. Soisson, Phase separation and finite size: from symmetry to asymmetry 377–379 (1997) 551
C. Gallis, B. Legrand and G. Tréglia, On the "exotic" behaviour of the Pt–Sn system 377–379 (1997) 1033

Green's function methods

J. Lachnitt, H. Ufer, I. Karla, M. Neumann, J. Braun and G. Borstel, Photoemission investigation for GdCu 377–379 (1997) 238
L. Adamowicz and M. Zbroszczyk, Low coverage of III–V semiconductor surfaces within TB-LMTO-ASA approach 377–379 (1997) 247
M. Potthoff and W. Nolting, Curie temperature and layer magnetizations of thin bcc (110) Hubbard films 377–379 (1997) 457
V.S. Stepanyuk, W. Hergert, P. Rennert, K. Wildberger, R. Zeller and P.H. Dederichs, Transition metal magnetic nanostructures on metal surfaces 377–379 (1997) 495

Ion–solid interactions, scattering, channeling

R. Pfandzelter, T. Igel and H. Winter, Interfacial mixing of ultrathin Cr films on Fe(100) studied by Auger electron spectroscopy 377–379 (1997) 963

Many body and quasi-particle theories

L. Duò, Surface-hybridization interplay in the spectroscopy of Ce compounds 377–379 (1997) 160
J.C. Parlebas, P. Krüger, M. Taguchi, C. Demangeat and A. Kotani, Calculation for core-s-XPS of transition metals on graphite 377–379 (1997) 177
J.M. Pitarke and A. Rivacoba, Electron energy loss for isolated cylinders 377–379 (1997) 294
M. Boero, J.M. Rorison, G. Duggan and J.C. Inkson, A detailed theory of excitons in quantum dots 377–379 (1997) 371
M. Potthoff and W. Nolting, Curie temperature and layer magnetizations of thin bcc (110) Hubbard films 377–379 (1997) 457

Models of non-equilibrium phenomena

M. Boero, J.C. Inkson, G. Faini, C. Vieu, F. Laruelle, E. Bedel and C. Fontaine, A study of ion-implanted semiconductor nanostructures 377–379 (1997) 103

Models of non-linear phenomena

A. Franchini, V. Bortolani and R.F. Wallis, Surface localized modes in anharmonic systems at low dimensionality 377–379 (1997) 301
I.P. Ipatova, A.Yu. Maslov, L.V. Udod, G. Benedek and G. Panzarini, The enhancement factor of hyper-Raman scattering from an inhomogeneous semiconductor surface 377–379 (1997) 436

Models of surface chemical reactions

V.I. Pazzi and G.F. Tantardini, Dynamics of oxygen adsorption on Ag(110): surface motion effects 377–379 (1997) 572

Models of surface kinetics

M. Barbero, G. Mazzeo and A.C. Levi, Surface roughening in a 14-vertex model 377–379 (1997) 519
W. Hoffmann and C. Benndorf, Investigations on the influence of substrate geometry of flat and stepped ruthenium surfaces Ru(0001) and Ru(10$\bar{1}$8) on the adsorption kinetics of H_2O and D_2O 377–379 (1997) 681
J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006
C. Gallis, B. Legrand and G. Tréglia, On the "exotic" behaviour of the Pt–Sn system 377–379 (1997) 1033

Molecular dynamics

W.G. Schmidt and F. Bechstedt, Comparison of As-rich and Sb-terminated GaAs(100)(2 × 4) reconstructions 377–379 (1997) 11
D. Passerone, F. Ercolessi and E. Tosatti, High temperature study of flat reconstructed Au(100) and its vicinals 377–379 (1997) 27
A.D. Kinnersley, G.R. Darling and S. Holloway, Effect of initial rotations on the sticking of NO on Pt(111) 377–379 (1997) 567
V.I. Pazzi and G.F. Tantardini, Dynamics of oxygen adsorption on Ag(110): surface motion effects 377–379 (1997) 572
M. Valden, J. Pere, M. Hirsimäki, S. Suhonen and M. Pessa, Activated adsorption of methane on clean and oxygen-modified Pt{111} and Pd{110} 377–379 (1997) 605
U. Großner, W.G. Schmidt, F. Bechstedt, P.V. Santos, B. Koopmans and N. Esser, Chemisorption of arsenic on InP(110) 377–379 (1997) 619
J. Ellis and A.P. Graham, The use of quasielastic helium atom scattering to study correlated motion in adsorbate overlayers 377–379 (1997) 833
R. Ferrando and G. Tréglia, Step-descent mechanisms on Ag and Au(111) 377–379 (1997) 843

Semi-empirical models and model calculations

J.C. Parlebas, P. Krüger, M. Taguchi, C. Demangeat and A. Kotani, Calculation for core-s-XPS of transition metals on graphite 377–379 (1997) 177
A. Franchini, V. Bortolani and R.F. Wallis, Surface localized modes in anharmonic systems at low dimensionality 377–379 (1997) 301
H.M. Tütüncü and G.P. Srivastava, A comparative study of atomic vibrations on GaAs(110) and InAs(110) 377–379 (1997) 304
I.Yu. Sklyadneva, G.G. Rusina and E.V. Chulkov, Vibrational states on Pd surfaces 377–379 (1997) 313
H.M. Tütüncü, S.J. Jenkins and G.P. Srivastava, Phonon modes for the symmetric and asymmetric dimer models of the Si(001)(2 × 1) surface 377–379 (1997) 335
M. Mingozzi, O. Donzelli, J.M.V. Ngaboyisonga and F. Nizzoli, Effect of magnetic anisotropies on spin waves of multilayers with antiferromagnetic coupling 377–379 (1997) 462
M. Valden, J. Pere, M. Hirsimäki, S. Suhonen and M. Pessa, Activated adsorption of methane on clean and oxygen-modified Pt{111} and Pd{110} 377–379 (1997) 605
H. Aizawa and S. Tsuneyuki, Photo-induced desorption through non-adiabatic couplings 377–379 (1997) 610
M.G. Dondi, C. Mannori, D. Cvetko, L. Floreano, A. Morgante, M. Peloi and F. Tommasini, Interaction of He and Ne with Cu surfaces 377–379 (1997) 710

EXPERIMENTAL SAMPLE PREPARATION AND CHARACTERIZATION METHODS

Adsorption isotherms

D. Ferry, A. Glebov, V. Senz, J. Suzanne, J.P. Toennies and H. Weiss, The properties of a two-dimensional water layer on MgO(001) 377–379 (1997) 634

Atom–solid scattering and diffraction – elastic

L. Pedemonte, G. Bracco and R. Tatarek, A critical discussion about the roughening temperature estimation: the Ag(110) case 377–379 (1997) 524
D. Fuhrmann and Ch. Wöll, The melting of a two-dimensional lattice of flexible rod-shaped molecules: structure and dynamics studied by He atom scattering 377–379 (1997) 544
D. Ferry, A. Glebov, V. Senz, J. Suzanne, J.P. Toennies and H. Weiss, The properties of a two-dimensional water layer on MgO(001) 377–379 (1997) 634
M.G. Dondi, C. Mannori, D. Cvetko, L. Floreano, A. Morgante, M. Peloi and F. Tommasini, Interaction of He and Ne with Cu surfaces 377–379 (1997) 710
B. Holst, M. Nohlen, K. Wandelt and W. Allison, The growth of ultra thin Cu-films on Pt(111), probed by helium atom scattering and scanning tunneling microscopy 377–379 (1997) 891
F. Maier, S. Kneitz, H. Koschel and H.-P. Steinrück, A simple design for a helium scattering apparatus 377–379 (1997) 1101

Atom–solid scattering and diffraction – inelastic

Ch.L. Spiel and G. Blahusch, Helium scattering from adsorbed gas layers observed via the generated phonons 377–379 (1997) 321
G. Bracco, L. Bruschi, L. Pedemonte and R. Tatarek, Temperature dependence of the Ag(110) surface phonons 377–379 (1997) 325
D. Fuhrmann and Ch. Wöll, The melting of a two-dimensional lattice of flexible rod-shaped molecules: structure and dynamics studied by He atom scattering 377–379 (1997) 544
G. Blahusch and Ch.L. Spiel, Neon desorption by the impact of helium atoms 377–379 (1997) 696
M. DeKieviet, D. Dubbers, M. Klein, Ch. Schmidt and M. Skrzipczyk, Surface science using molecular beam spin echo 377–379 (1997) 1112

Atomic force microscopy

M. Nakamura and H. Tokumoto, Scanning probe microscopy study of the molecular arrangement of CuPc crystal on Si(001)-(2 × 1)-H 377–379 (1997) 85

S. Sugiyama, S. Yamamoto, O. Matsuoka, T. Honda, H. Nozoye, S. Qiu, J. Yu and O. Terasaki, Surface structure of synthesized mordenite crystal studied by atomic force microscopy 377–379 (1997) 140

H. Pietsch, A. Klust, A. Meier and J. Wollschläger, Growth instabilities of CaF_2 adlayers deposited at high temperature on Si(111) 377–379 (1997) 909

D. Martin, F. Creuzet, J. Jupille, Y. Borensztein and P. Gadenne, 2D and 3D silver adlayers on TiO_2(110) surfaces 377–379 (1997) 958

S.W. Hla, V. Marinković and A. Prodan, Nucleation and growth of noble metals on transition-metal di-tellurides 377–379 (1997) 979

T. Bonner and A. Baratoff, Molecular dynamics study of scanning force microscopy on self-assembled monolayers 377–379 (1997) 1082

Auger electron spectroscopy

Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32

B. Schmied, M. Wilhelm, U. Kübler, M. Getzlaff, G.H. Fecher and G. Schönhense, Angular-resolved electron spectroscopy from (110) surfaces of ternary Ce-based intermetallics: $CePd_2Si_2$ and $CeNi_2Ge_2$ 377–379 (1997) 251

P. Rennert, Yu. Kucherenko and L. Niebergall, Dichroism in the spin-polarized Auger electron diffraction for the S/Fe(001) surface 377–379 (1997) 422

W. Arabczyk and U. Narkiewicz, Kinetics of the oxidation of the iron surface covered with potassium – geometrical aspect 377–379 (1997) 578

L.D. López-Carreño, J.M. Heras and L. Viscido, Adsorption and dissociation of CO_2 on polycrystalline Mo 377–379 (1997) 615

K.S. Lee, S.H. Kim, H.G. Min, J. Seo and J.S. Kim, The initial growth mode of Ni deposited on a Ag(001) surface 377–379 (1997) 918

R. Pfandzelter, T. Igel and H. Winter, Interfacial mixing of ultra-thin Cr films on Fe(100) studied by Auger electron spectroscopy 377–379 (1997) 963

M. Schmid, M. Pinczolits, W. Hebenstreit and P. Varga, Segregation of impurities on Cr(100) studied by AES and STM 377–379 (1997) 1023

G. Le Lay, M. Göthelid, V.Yu. Aristov, A. Cricenti, M.C. Håkansson, C. Giammichele, P. Perfetti, J. Avila and M.C. Asensio, Adsorption of C_{60} on Si(111)$\sqrt{3} \times \sqrt{3}$R(30°)-Ag 377–379 (1997) 1061

Chemical vapor deposition

E. Magni and G.A. Somorjai, Surface science study of model Ziegler–Natta catalysts 377–379 (1997) 824

L. Demuynck, J.C. Arnault, R. Polini and F. Le Normand, CVD diamond nucleation and growth on scratched and virgin Si(100) surfaces investigated by in-situ electron spectroscopy 377–379 (1997) 871

J. Spitzmüller, M. Fehrenbacher, H. Rauscher and R.J. Behm, Tetramer formation on Si(100)-(2 × 1) during CVD growth from SiH_4 377–379 (1997) 1001

Desorption induced by electronic transitions (DIET)

I.D. Cocks, Q. Guo, R. Patel, E.M. Williams, E. Roman and J.L. de Segovia, The structure of TiO_2(110) (1 × 1) and (1 × 2) surfaces with acetic acid adsorption – a PES study 377–379 (1997) 135

K. Mase, M. Nagasono, S. Tanaka, T. Urisu and S. Nagaoka, Study of ion desorption induced by core-level excitations of condensed $Si(CH_3)_4$ by using photoelectron–photoion coincidence spectroscopy (PEPICO) combined with synchrotron radiation 377–379 (1997) 376

Electron stimulated desorption (ESD)

I.D. Cocks, Q. Guo, R. Patel, E.M. Williams, E. Roman and J.L. de Segovia, The structure of TiO_2(110) (1 × 1) and (1 × 2) surfaces with acetic acid adsorption – a PES study 377–379 (1997) 135

R.G. Jones, S. Turton and R. Ithnin, Hot ethene desorption from Cu(111) 377–379 (1997) 705

Photon stimulated desorption (PSD)

M. Nagasono, K. Mase, S. Tanaka and T. Urisu, Auger-final-state selected ion desorption study of condensed NH_3 and ND_3 by using Auger electron–photoion coincidence spectroscopy 377–379 (1997) 380

H. Aizawa and S. Tsuneyuki, Photo-induced desorption through non-adiabatic couplings 377–379 (1997) 610

J. Viereck, M. Stuke and F. Träger, Non-thermal kinetic-energy distributions of desorbed Na dimers 377–379 (1997) 687

Y. Baba, K. Yoshii, H. Yamamoto, T.A. Sasaki and W. Wurth, Element-specific desorption from molecular adsorbates by core-to-valence resonant photoexcitation 377–379 (1997) 699

Electrical transport measurements

M. Boero, J.C. Inkson, G. Faini, C. Vieu, F. Laruelle, E. Bedel and C. Fontaine, A study of ion-implanted semiconductor nanostructures 377–379 (1997) 103

M. Boero, G.R. Nash, S.J. Bending, J.C. Inkson, P. Grambow, K. Eberl and Y. Kershaw, Surface acoustic wave scattering in quantum wire arrays: theory and experiment 377–379 (1997) 339

Electrochemical methods

O. Cavalleri, S.E. Gilbert and K. Kern, Electrochemical Cu deposition on thiol covered Au(111) surfaces 377–379 (1997) 931

Electron emission measurements

Photoemission (total yield)

C. Setzer, J. Platen, P. Geng, W. Ranke and K. Jacobi, Geometrical and electronic structure of the MBE-prepared GaAs(113)A surface 377–379 (1997) 125

I.D. Cocks, Q. Guo, R. Patel, E.M. Williams, E. Roman and J.L. de Segovia, The structure of TiO_2(110) (1 × 1) and (1 × 2) surfaces with acetic acid adsorption – a PES study 377–379 (1997) 135

S. Günther, A. Kolmakov, J. Kovac, L. Casalis, L. Gregoratti, M. Marsi and M. Kiskinova, Scanning photoelectron microscopy of a bimetal/Si interface: Au coadsorbed on Ag/Si(111) 377–379 (1997) 145

A. Akremi, J.P. Lacharme and C.A. Sébenne, Residual gap surface states along variously hydrogenated silicon (111) and (100) surfaces 377–379 (1997) 192

M.G. Betti and C. Mariani, 2D cesium insulating layer deposited on Sb-precovered GaAs(110) surface 377–379 (1997) 210

E. Magnano, S. Vandré, C. Cepek, A. Goldoni, A.D. Laine, G.M. Curró, A. Santaniello and M. Sancrotti, Substrate–adlayer interaction at the C_{60}/Ag(110) interface studied by high-resolution synchrotron radiation 377–379 (1997) 1066

G.H. Fecher, Y. Hwu and W. Swiech, Chemical microimaging and microspectroscopy of surfaces with a photoemission microscope 377–379 (1997) 1106

Secondary electron emission

E. Wetli, M. Hochstrasser and M. Erbudak, Epitaxial growth of Ag in the hexagonal structure 377–379 (1997) 876

Electron energy loss spectroscopy

M.G. Betti and C. Mariani, 2D cesium insulating layer deposited on Sb-precovered GaAs(110) surface 377–379 (1997) 210

H. Dietrich, K. Jacobi and G. Ertl, Vibrational analysis of the NH + N coadsorbate on Ru(0001) 377–379 (1997) 308

Ph. Hofmann and E.W. Plummer, Lattice vibrations at the Be($10\bar{1}0$) surface 377–379 (1997) 330

G. Chiarello, A. Cupolillo, L.S. Caputi, L. Papagno and E. Colavita, Collective and single-particle excitations in thin layers of K on Ni(111) 377–379 (1997) 365

L. Pasquali, S. D'Addato, L. Tagliavini, A.M. Prandini and S. Nannarone, Surface phase transitions of Ge(111)c(2 × 8) studied by electron energy loss spectroscopy 377–379 (1997) 534

R. Linke, C. Becker, Th. Pelster, M. Tanemura and K. Wandelt, Adsorption of ethene on Cu(111) 377–379 (1997) 655

L. Vattuone, P. Gambardella, U. Valbusa and M. Rocca, HREELS study of O_2 molecular chemisorption on Ag(001) 377–379 (1997) 671

G. Kaneda, N. Sanada and Y. Fukuda, HREELS study of triethylphosphine (TEP) and tertiarybutylphosphine (TBP) on a Si(001)-(2 × 1) surface 377–379 (1997) 724

M. Borbach, W. Stenzel, H. Conrad and A.M. Bradshaw, Hydroxyl formation on Ag(110) studied by HREELS 377–379 (1997) 796

K.L. Kostov, P. Jakob and D. Menzel, A new high density CO/oxygen coadsorbate layer on Pt(111) and its role in CO oxidation 377–379 (1997) 802

Electron microscopy

S. Maruno, S. Fujita, H. Watanabe and M. Ichikawa, Oxidation of partially Ga-terminated Si(111) surfaces 377–379 (1997) 775

S.W. Hla, V. Marinković and A. Prodan, Nucleation and growth of noble metals on transition-metal di-tellurides 377–379 (1997) 979

G.H. Fecher, Y. Hwu and W. Swiech, Chemical microimaging and microspectroscopy of surfaces with a photoemission microscope 377–379 (1997) 1106

Scanning electron microscopy (SEM)

B. Schmied, M. Wilhelm, U. Kübler, M. Getzlaff, G.H. Fecher and G. Schönhense, Angular-resolved electron spectroscopy from (110) surfaces of ternary Ce-based intermetallics: $CePd_2Si_2$ and $CeNi_2Ge_2$ 377–379 (1997) 251

A. Wiessner, M. Agne, D. Reuter and J. Kirschner, Formation of copper crystallites on a Cu/Fe/Cu(100) sandwich 377–379 (1997) 937

H. Kamusewitz, M. Schossig-Tiedemann, M. Keller and D. Paul, Characterization of polymeric membranes by means of scanning force microscopy (SFM) in comparison to results of scanning electron microscopy (SEM) 377–379 (1997) 1076

Electron–solid diffraction

Auger electron diffraction

Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32

Low energy electron diffraction (LEED)

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15

S. Gallego, C. Ocal and F. Soria, Surface and bulk reconstruction of Pt(111) 1 × 1 377–379 (1997) 18

Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32

S. Poulston, A. Jones, R.A. Bennett and M. Bowker, An STM investigation of formic acid adsorption on oxygen precovered Cu(110) 377–379 (1997) 66

H. Metzner, Th. Hahn and J.-H. Bremer, Structure of sulphur-terminated silicon surfaces 377–379 (1997) 71

G. Falkenberg, L. Seehofer and R.L. Johnson, Changes in the surface morphology of Ge(001) due to Sb adsorption 377–379 (1997) 75

Ch. Ammer, K. Meinel, H. Wolter and H. Neddermeyer, Oxygen-induced restructuring of strained Cu layers on Ru(0001) 377–379 (1997) 81

C. Setzer, J. Platen, P. Geng, W. Ranke and K. Jacobi, Geometrical and electronic structure of the MBE-prepared GaAs(113)A surface 377–379 (1997) 125
A.A. Cafolla, C. McGinley, E. McLoughlin, G. Hughes, P. Moriarty, A.W. Dunn, Y.-R. Ma, D. Teehan, B. Murphy, S. Downes and D.A. Woolf, Adsorption of Sb on GaAs(111)B studied by photoemission and low energy electron diffraction 377–379 (1997) 130
B. Schmied, M. Wilhelm, U. Kübler, M. Getzlaff, G.H. Fecher and G. Schönhense, Angular-resolved electron spectroscopy from (110) surfaces of ternary Ce-based intermetallics: $CePd_2Si_2$ and $CeNi_2Ge_2$ 377–379 (1997) 251
U. Starke, W. Meier, C. Rath, J. Schardt, W. Weiß and K. Heinz, Phase transition and atomic structure of an $Fe_3Si(100)$ single crystal surface 377–379 (1997) 539
T.W. Fishlock, J.B. Pethica, F.H. Jones, R.G. Egdell and J.S. Foord, Interaction of chlorine with nickel (110) studied by scanning tunneling microscopy 377–379 (1997) 629
D. Ferry, A. Glebov, V. Senz, J. Suzanne, J.P. Toennies and H. Weiss, The properties of a two-dimensional water layer on MgO(001) 377–379 (1997) 634
R. Linke, C. Becker, Th. Pelster, M. Tanemura and K. Wandelt, Adsorption of ethene on Cu(111) 377–379 (1997) 655
M. Kamaratos, C.A. Papageorgopoulus, D.C. Papageorgopoulos, W. Jaegermann, C. Pettenkofer and J. Lehmann, Adsorption of Br_2 on Na-intercalated n-WSe_2: Br-induced deintercalation 377–379 (1997) 659
S. Fölsch, B.-Ch. Choi and K.-H. Rieder, Structure of ultrathin iron films on a highly asymmetrical substrate: Fe/Cu(311) 377–379 (1997) 851
W. Weiß, M. Kutschera, U. Starke, M. Mozaffari, K. Reshöft, U. Köhler and K. Heinz, Development of structural phases of iron silicide films on Si(111) studied by LEED, AES and STM 377–379 (1997) 861
T. van Gemmeren, R.L. Johnson, R. Sporken and P.A. Thiry, Photoemission study of CdTe growth on GaSb(111)A 377–379 (1997) 882
M. Naitoh, H. Shimaya, S. Nishigaki, N. Oishi and F. Shoji, Scanning tunneling microscopy observation of bismuth growth on Si(100) surfaces 377–379 (1997) 899
H. Pietsch, A. Klust, A. Meier and J. Wollschläger, Growth instabilities of CaF_2 adlayers deposited at high temperature on Si(111) 377–379 (1997) 909
K.S. Lee, S.H. Kim, H.G. Min, J. Seo and J.S. Kim, The initial growth mode of Ni deposited on a Ag(001) surface 377–379 (1997) 918
W. Weiß, Structure and composition of thin epitaxial iron oxide films grown onto Pt(111) 377–379 (1997) 943
R. Belkhou, J. Thiele and C. Guillot, Growth of Pt/Cu(100): formation of a surface alloy 377–379 (1997) 948

Photoelectron diffraction

K.C. Prince, B. Ressel, C. Astaldi, M. Peloi, R. Rosei, M. Polcik, C. Crotti, M. Zacchigna, C. Comicioli, C. Ottaviani, C. Quaresima and P. Perfetti, Surface core level shift photoelectron diffraction of Rh(100) 377–379 (1997) 117
H. Poelman, K. Devriendt, L. Fiermans, O. Dewaele, G. Heynderickx and G.F. Froment, XPD investigation of V_2O_5/TiO_2 anatase model catalysts 377–379 (1997) 819
J. Avila, A. Mascaraque, C. Teodorescu, E.G. Michel and M.C. Asensio, Fe/Si(111) interface formation studied by photoelectron diffraction 377–379 (1997) 856
H. Zimmermann, R.C. Keller, P. Meisen and M. Seelmann-Eggebert, Growth of Sn thin films on CdTe(111) 377–379 (1997) 904
M. Seelmann-Eggebert, Imaging scatterer planes by photoelectron diffraction 377–379 (1997) 1094

Photoelectron holography

M. Seelmann-Eggebert, Imaging scatterer planes by photoelectron diffraction 377–379 (1997) 1094

Reflection high-energy electron diffraction (RHEED)

S. Maruno, S. Fujita, H. Watanabe and M. Ichikawa, Oxidation of partially Ga-terminated Si(111) surfaces 377–379 (1997) 775
H. Wormeester, M.E. Kiene, E. Hüger and E. Bauer, Growth of hcp Cu on W(100) 377–379 (1997) 988
U. May, J. Fassbender and G. Güntherodt, RHEED investigations on the "pseudomorphic" growth of cobalt on Cu(001) 377–379 (1997) 992

Electron–solid scattering and transmission – inelastic

Y. Dou and R.G. Egdell, Surface properties of Cd_2SnO_4 ceramics doped with both In and Sb: a study by EELS and photoemission spectroscopy 377–379 (1997) 181

Inverse photoemission spectroscopy

L. Duò, Surface-hybridization interplay in the spectroscopy of Ce compounds 377–379 (1997) 160
T. Ollonqvist, R. Perälä and J. Väyrynen, Unoccupied electronic states of the $FeS_2(100)$ surface studied by inverse photoemission 377–379 (1997) 201
F. Schedin, G. Thornton and V.N. Petrov, Spin asymmetries in inverse photoemission from PbS(100) 377–379 (1997) 229
L.K. Wilson and P.T. Andrews, Unoccupied surface states of Cr(001) detected by K-resolved inverse photoemission 377–379 (1997) 271
E. Weschke, C. Schüßler-Langeheine, R. Meier, A.V. Fedorov, K. Starke, F. Hübinger and G. Kaindl, Evidence for Stoner-like behavior of the surface state on Gd(0001) 377–379 (1997) 487

Ion etching

F. Maier, S. Kneitz, H. Koschel and H.-P. Steinrück, A simple design for a helium scattering apparatus 377–379 (1997) 1101

Ion implantation

M. Boero, J.C. Inkson, G. Faini, C. Vieu, F. Laruelle, E. Bedel and C. Fontaine, A study of ion-implanted semiconductor nanostructures 377–379 (1997) 103

Ion scattering spectroscopy

Low energy ion scattering (LEIS)

G. Bracco, A. Pizzorno and R. Tatarek, Vibrational effects on Ag(110) studied by neutral impact-collision ion scattering 377–379 (1997) 94

J.E. Gayone, E.A. Sánchez, R.G. Pregliasco and O. Grizzi, TOF-ISS investigation of the dependence of the GaAs(110) surface derelaxation with the hydrogen exposure 377–379 (1997) 597

M. Kruft, B. Wohlmann, C. Stuhlmann and K. Wandelt, Chloride adsorption on Cu(111) electrodes in dilute HCl solutions 377–379 (1997) 601

Medium energy ion scattering (MEIS)

T. Yasue and T. Koshikawa, Effect of hydrogen on Cu formation on Si(111) 377–379 (1997) 923

Isotopic exchange/traces

F. Boccuzzi, E. Guglielminotti, F. Pinna and G. Strukul, Surface composition and reactivity of bimetallic Au–Pt/ZrO_2 samples 377–379 (1997) 728

Laser methods

M. Wolf, Femtosecond dynamics of electronic excitations at metal surfaces 377–379 (1997) 343

Magnetic measurements

A. Kirilyuk, A.V. Petukhov, Th. Rasing, R. Mégy and P. Beauvillain, Second harmonic generation study of quantum well states in thin noble metal overlayer films 377–379 (1997) 409

H.A. Dürr, G. van der Laan, D. Spanke, F.U. Hillebrecht, N.B. Brookes and J.B. Goedkoop, Hybridization and magnetism in ultrathin Mn films 377–379 (1997) 466

M. Salvietti, P. Ferro, R. Moroni, M. Canepa and L. Mattera, Surface magnetism of an ultrathin Fe/Ag(100) film: influence of O_2 and CO adsorption 377–379 (1997) 481

H.M. Zhang and Y. Li, Magnetic anisotropy of the near-surface region of Ni(110) 377–379 (1997) 491

Molecular beam epitaxy

M. Nakamura and H. Tokumoto, Scanning probe microscopy study of the molecular arrangement of CuPc crystal on Si(001)-(2 × 1)-H 377–379 (1997) 85

H. Bulou, A. Barbier, G. Renaud, B. Carrière, R. Baudoing-Savois and J.P. Deville, Structural investigation of the Pt/Co(0001) interface by GIXS 377–379 (1997) 90

C. Setzer, J. Platen, P. Geng, W. Ranke and K. Jacobi, Geometrical and electronic structure of the MBE-prepared GaAs(113)A surface 377–379 (1997) 125

M. Fanciulli, S. Degroote, G. Weyer and G. Langouche, Investigation of the Fe/Si interface and its phase transformations 377–379 (1997) 529

S. Fölsch, B.-Ch. Choi and K.-H. Rieder, Structure of ultrathin iron films on a highly asymmetrical substrate: Fe/Cu(311) 377–379 (1997) 851

G.E. Cirlin, V.N. Petrov, A.O. Golubok, S.Ya. Tipissev, V.G. Dubrovskii, G.M. Guryanov, N.N. Ledentsov and D. Bimberg, Effect of growth kinetics on the InAs/GaAs quantum dot arrays formation on vicinal surfaces 377–379 (1997) 895

J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006

Molecule–solid reactions

M. Valden, J. Pere, M. Hirsimäki, S. Suhonen and M. Pessa, Activated adsorption of methane on clean and oxygen-modified Pt{111} and Pd{110} 377–379 (1997) 605

F. Buatier de Mongeot, M. Rocca and U. Valbusa, Isothermal desorption of O_2 from Ag(001) 377–379 (1997) 691

R.G. Jones, S. Turton and R. Ithnin, Hot ethene desorption from Cu(111) 377–379 (1997) 705

S. Maruno, S. Fujita, H. Watanabe and M. Ichikawa, Oxidation of partially Ga-terminated Si(111) surfaces 377–379 (1997) 775

R.P. Holroyd and M. Bowker, Molecular beam studies of alcohol (C_1–C_3) adsorption and reaction with oxygen-precovered Pd(110) 377–379 (1997) 786

Molecule–solid scattering and diffraction – elastic

M.F. Bertino, S. Miret-Artés, J.P. Toennies and G. Benedek, Rotationally mediated focussed inelastic resonances in D_2 scattering from Cu(001) 377–379 (1997) 714

Molecule–solid scattering and diffraction – inelastic

M.F. Bertino, S. Miret-Artés, J.P. Toennies and G. Benedek, Rotationally mediated focussed inelastic resonances in D_2 scattering from Cu(001) 377–379 (1997) 714

Mössbauer spectroscopy

M. Fanciulli, S. Degroote, G. Weyer and G. Langouche, Investigation of the Fe/Si interface and its phase transformations 377–379 (1997) 529

Neutron scattering

M. Trabelsi, J.P. Coulomb, D. Degenhardt and H. Lauter, Structures of the nitrogen monolayer adsorbed on MgO(100) 377–379 (1997) 38

M. Bienfait, P. Zeppenfeld, O.E. Vilches, J.P. Palmari and H.J. Lauter, Structure and phase transitions of D_2 + Ar mixtures adsorbed on graphite 377–379 (1997) 504

Non-linear optical methods

K. Kuhnke, R. Becker and K. Kern, C_{60} excited state energy transfer to metal surfaces across distances below 3 nm 377–379 (1997) 1056

Y. Caudano, A. Peremans, P.A. Thiry, P. Dumas and A. Tadjeddine, Vibrational investigation of chemisorbed C_{60} by infrared–visible sum frequency generation spectroscopy 377–379 (1997) 1071

Second harmonic generation

W. de Jong, A.F. van Etteger, P.J. van Hall and Th. Rasing, Coherent plasmon–surface phonon oscillations in a GaAs Schottky barrier sample 377–379 (1997) 355

S.I. Bozhevolnyi and K. Pedersen, Second harmonic generation due to surface plasmon localization 377–379 (1997) 384

K. Pedersen and P. Morgen, Optical second-harmonic generation spectroscopy on Si(111)7 × 7 377–379 (1997) 393

A.V. Petukhov and Th. Rasing, Crystallinity effect on the infrared–visible sum frequency generation in noble metals 377–379 (1997) 414

F. Eisert and A. Rosén, In situ study of the catalytic reaction $H_2 + 1/2\ O_2 \rightarrow H_2O$ on Pt(111) with second harmonic generation (SHG) 377–379 (1997) 759

K. Kuhnke, R. Becker and K. Kern, C_{60} excited state energy transfer to metal surfaces across distances below 3 nm 377–379 (1997) 1056

Nuclear magnetic resonance

M. DeKieviet, D. Dubbers, M. Klein, Ch. Schmidt and M. Skrzipczyk, Surface science using molecular beam spin echo 377–379 (1997) 1112

Nuclear reaction analysis

K. Fukutani, H. Iwai, H. Yamashita, Y. Murata, S. Hatori and K. Kobayashi, Interface hydrogen between a Pb overlayer and H-saturated Si(111) studied by a resonant nuclear reaction 377–379 (1997) 1010

Photoelectron spectroscopy

I.D. Cocks, Q. Guo, R. Patel, E.M. Williams, E. Roman and J.L. de Segovia, The structure of TiO_2(110) (1 × 1) and (1 × 2) surfaces with acetic acid adsorption – a PES study 377–379 (1997) 135

D. Radosavkic, J. Thiele, N. Barrett, C. Guillot and R. Belkhou, Core level photoemission study of the growth of platinum on palladium (111) 377–379 (1997) 168

N. Marsot, R. Belkhou, F. Scheurer, B. Bartenlian, N. Barrett, M.A. Delaunay and C. Guillot, Characterization of the Co/Au(111) interface by core-level photoemission electron spectroscopy 377–379 (1997) 225

S. D'Addato, P. Bailey, J.M.C. Thornton and D.A. Evans, Core level analysis of the K/GaP(110) interface 377–379 (1997) 233

M. Kruft, B. Wohlmann, C. Stuhlmann and K. Wandelt, Chloride adsorption on Cu(111) electrodes in dilute HCl solutions 377–379 (1997) 601

A. Katrib, V. Logie, N. Saurel, P. Wehrer, L. Hilaire and G. Maire, Surface electronic structure and isomerization reactions of alkanes on some transition metal oxides 377–379 (1997) 754

Angle resolved photoemission

P. Trischberger, H. Dröge, S. Gokhale, J. Henk, H.-P. Steinrück, W. Widdra and D. Menzel, One-dimensional xenon band structures on hydrogen modified and stepped platinum surfaces 377–379 (1997) 155

J.A. Martin-Gago, J.Y. Veuillen, C. Casado and T.A.N. Tan, Experimental Fermi surface determination of epitaxial $ErSi_{1.7}$(0001) on Si(111) 377–379 (1997) 172

M. Getzlaff and G. Schönhense, Electronic structure of adsorbed organic molecules 377–379 (1997) 187

P. Segovia, G.R. Castro, A. Mascaraque and E.G. Michel, Metallization onset in K/Si(100)-(2 × 1) 377–379 (1997) 220

J. Lachnitt, H. Ufer, I. Karla, M. Neumann, J. Braun and G. Borstel, Photoemission investigation for GdCu 377–379 (1997) 238

P.L. Wincott, J.S.G. Irwin, G. Jones, P.J. Hardman, G. Thornton, S. Weichel, P.J. Møller and V.R. Dhanak, Angle-resolved photoemission studies of the $\bar{\Gamma}$ Shockley surface state on ordered Cu(111) overlayers n TiO_2(110) 377–379 (1997) 242

B. Schmied, M. Wilhelm, U. Kübler, M. Getzlaff, G.H. Fecher and G. Schönhense, Angular-resolved electron spectroscopy from (110) surfaces of ternary Ce-based intermetallics: $CePd_2Si_2$ and $CeNi_2Ge_2$ 377–379 (1997) 251

S. Warren, A.G. Thomas, J. Hollingworth, W.R. Flavell, P.L. Wincott, A. Prime, S. Downes and C. Chen, Angle-resolved photoemission of CuO (100) 377–379 (1997) 256

W. Schneider, Th. Gantz, M. Richter, S.L. Molodtsov, J. Boysen, P. Engelmann, P. Segovia-Cabrero and C. Laubschat, Angle-resolved photoemission study of Dy/Pd(111) and Ce/Pd(111) surface compounds 377–379 (1997) 275

Y. Zhang, J.Y. Xue, J.A. Con Foo, A.P.J. Stampfl, D. Wolffframm, D.A. Evans, J.D. Riley, R.C.G. Leckey, A. Ziegler, B. Mattern, R. Graupner, M. Hollering, R. Denecke and L. Ley, The valence band structure of the ZnSe{001}-(2 × 1) surface as determined by angle-resolved photoemission spectroscopy 377–379 (1997) 288

M. Wolf, Femtosecond dynamics of electronic excitations at metal surfaces 377–379 (1997) 343

Ch. Ostertag, J. Paul, N.A. Cherepkov, A. Oelsner, G.H. Fecher and G. Schönhense, Dichroism in VUV photoemission from the (0001)-surfaces of ultrathin Gd and Nd films on W(110) 377–379 (1997) 427

M. Schicketanz, A. Oelsner, J. Morais, Th. Jentzsch, G.H. Fecher and G. Schönhense, The dependence of circular dichroism in photoemission on the optical properties of Cs monolayers on Pt(111) 377–379 (1997) 432

G. Panaccione, F. Sirotti, S. Lizzit, A. Baraldi, G. Paolucci, N.A. Cherepkov and G. Rossi, Fe 2p photoemission magnetic dichroism with linearly polarized synchrotron radiation and with unpolarized Al Kα radiation 377–379 (1997) 440

G. Panaccione, F. Sirotti, E. Narducci, N.A. Cherepkov and G. Rossi, Magnetic interface formation at Fe/Cr/Fe(100) 377–379 (1997) 445

Y.Q. Cai, A.M. Bradshaw, A.P.J. Stampfl, S. Tkatchenko, J.D. Riley and R.C.G. Leckey, A temperature-dependent study of the magnetic surface states on Ni(100) using angle-resolved photoemission 377–379 (1997) 470

J. Bansmann, L. Lu, M. Getzlaff and K.H. Meiwes Broer, Magnetic phenomena of cobalt on Cu(111) 377–379 (1997) 476

E. Weschke, C. Schüßler-Langeheine, R. Meier, A.V. Fedorov, K. Starke, F. Hübinger and G. Kaindl, Evidence for Stoner-like behavior of the surface state on Gd(0001) 377–379 (1997) 487
A. Mascaraque, C. Ottaviani, M. Capozi, M. Pedio and E.G. Michel, Oxygen interaction with Si(100) and K/Si(100) 377–379 (1997) 650
M. Seelmann-Eggebert, Imaging scatterer planes by photoelectron diffraction 377–379 (1997) 1094

Soft X-ray photoelectron spectroscopy (using synchrotron radiation)

A.A. Cafolla, C. McGinley, E. McLoughlin, G. Hughes, P. Moriarty, A.W. Dunn, Y.-R. Ma, D. Teehan, B. Murphy, S. Downes and D.A. Woolf, Adsorption of Sb on GaAs(111)B studied by photoemission and low energy electron diffraction 377–379 (1997) 130
S. Günther, A. Kolmakov, J. Kovac, L. Casalis, L. Gregoratti, M. Marsi and M. Kiskinova, Scanning photoelectron microscopy of a bimetal/Si interface: Au coadsorbed on Ag/Si(111) 377–379 (1997) 145
P. Trischberger, H. Dröge, S. Gokhale, J. Henk, H.-P. Steinrück, W. Widdra and D. Menzel, One-dimensional xenon band structures on hydrogen modified and stepped platinum surfaces 377–379 (1997) 155
L. Duò, Surface-hybridization interplay in the spectroscopy of Ce compounds 377–379 (1997) 160
V. Chab, L. Pekarek, I. Ulrych, J. Suchy, K.C. Prince, M. Peloi, M. Evans, C. Comicioli, M. Zacchigna and C. Crotti, Soft X-ray photoemission studies of S/InP(100) 377–379 (1997) 261
H.A. Dürr, G. van der Laan, D. Spanke, F.U. Hillebrecht, N.B. Brookes and J.B. Goedkoop, Hybridization and magnetism in ultrathin Mn films 377–379 (1997) 466
M. Kamaratos, C.A. Papageorgopoulus, D.C. Papageorgopoulos, W. Jaegermann, C. Pettenkofer and J. Lehmann, Adsorption of Br_2 on Na-intercalated n-WSe_2: Br-induced deintercalation 377–379 (1997) 659

Visible and ultraviolet photoelectron spectroscopy

Y. Dou and R.G. Egdell, Surface properties of Cd_2SnO_4 ceramics doped with both In and Sb: a study by EELS and photoemission spectroscopy 377–379 (1997) 181
M. Getzlaff and G. Schönhense, Electronic structure of adsorbed organic molecules 377–379 (1997) 187
S. Pawlik, M. Bauer and M. Aeschlimann, Lifetime difference of photoexcited electrons between intraband and interband transitions 377–379 (1997) 206
M. Wolf, Femtosecond dynamics of electronic excitations at metal surfaces 377–379 (1997) 343
M. Bauer, S. Pawlik and M. Aeschlimann, Femtosecond lifetime investigations of excited adsorbate states: atomic oxygen on Cu(111) 377–379 (1997) 350
H. Wormeester, M.E. Kiene, E. Hüger and E. Bauer, Growth of hcp Cu on W(100) 377–379 (1997) 988

X-ray photoelectron spectroscopy

J.C. Parlebas, P. Krüger, M. Taguchi, C. Demangeat and A. Kotani, Calculation for core-s-XPS of transition metals on graphite 377–379 (1997) 177
Y. Dou and R.G. Egdell, Surface properties of Cd_2SnO_4 ceramics doped with both In and Sb: a study by EELS and photoemission spectroscopy 377–379 (1997) 181
A. Katrib, V. Logie, N. Saurel, P. Wehrer, L. Hilaire and G. Maire, Surface electronic structure and isomerization reactions of alkanes on some transition metal oxides 377–379 (1997) 754
H. Uetsuka, K. Watanabe, H. Ohnuma and K. Kunimori, Infrared chemiluminescence study of the dynamics of steady-state CO oxidation on single-crystal PD surfaces: effect of oxygen pretreatment 377–379 (1997) 765
H. Poelman, K. Devriendt, L. Fiermans, O. Dewaele, G. Heynderickx and G.F. Froment, XPD investigation of V_2O_5/TiO_2 anatase model catalysts 377–379 (1997) 819
E. Magni and G.A. Somorjai, Surface science study of model Ziegler–Natta catalysts 377–379 (1997) 824
L. Demuynck, J.C. Arnault, R. Polini and F. Le Normand, CVD diamond nucleation and growth on scratched and virgin Si(100) surfaces investigated by in-situ electron spectroscopy 377–379 (1997) 871
H. Zimmermann, R.C. Keller, P. Meisen and M. Seelmann-Eggebert, Growth of Sn thin films on CdTe(111) 377–379 (1997) 904
W. Weiß, Structure and composition of thin epitaxial iron oxide films grown onto Pt(111) 377–379 (1997) 943

Synchrotron radiation photoelectron spectroscopy

P. Trischberger, H. Dröge, S. Gokhale, J. Henk, H.-P. Steinrück, W. Widdra and D. Menzel, One-dimensional xenon band structures on hydrogen modified and stepped platinum surfaces 377–379 (1997) 155
F. Esaka, K. Furuya, H. Shimada, M. Imamura, N. Matsubayashi, T. Sato, A. Nishijima, T. Kikuchi, A. Kawana and H. Ichimura, Depth profiling of surface oxidized TiAlN film by synchrotron radiation excited X-ray photoelectron spectroscopy 377–379 (1997) 197
P.L. Wincott, J.S.G. Irwin, G. Jones, P.J. Hardman, G. Thornton, S. Weichel, P.J. Møller and V.R. Dhanak, Angle-resolved photoemission studies of the $\bar{\Gamma}$ Shockley surface state on ordered Cu(111) overlayers n TiO_2(110) 377–379 (1997) 242
S. Warren, A.G. Thomas, J. Hollingworth, W.R. Flavell, P.L. Wincott, A. Prime, S. Downes and C. Chen, Angle-resolved photoemission of CuO (100) 377–379 (1997) 256
V. Chab, L. Pekarek, I. Ulrych, J. Suchy, K.C. Prince, M. Peloi, M. Evans, C. Comicioli, M. Zacchigna and C. Crotti, Soft X-ray photoemission studies of S/InP(100) 377–379 (1997) 261
S. Vandré, E. Narducci, A. Goldoni, C. Lenardi, L. Calliari, L. Casalis, L. Gregoratti, J. Kovac, M. Kiskinova and M. Sancrotti, Spectromicroscopy of the metastable Au/Si(111) interface studied by means of synchrotron radiation 377–379 (1997) 266

S. Vandré, A. Santoni, A. Goldoni, V.R. Dhanak and M. Sancrotti, High-temperature core-level photoemission study of Si(111) 377–379 (1997) 283
M. Schicketanz, A. Oelsner, J. Morais, Th. Jentzsch, G.H. Fecher and G. Schönhense, The dependence of circular dichroism in photoemission on the optical properties of Cs monolayers on Pt(111) 377–379 (1997) 432
G. Panaccione, F. Sirotti, S. Lizzit, A. Baraldi, G. Paolucci, N.A. Cherepkov and G. Rossi, Fe 2p photoemission magnetic dichroism with linearly polarized synchrotron radiation and with unpolarized Al Kα radiation 377–379 (1997) 440
G. Panaccione, F. Sirotti, E. Narducci, N.A. Cherepkov and G. Rossi, Magnetic interface formation at Fe/Cr/Fe(100) 377–379 (1997) 445
A. Mascaraque, C. Ottaviani, M. Capozi, M. Pedio and E.G. Michel, Oxygen interaction with Si(100) and K/Si(100) 377–379 (1997) 650
M. Kamaratos, C.A. Papageorgopoulus, D.C. Papageorgopoulos, W. Jaegermann, C. Pettenkofer and J. Lehmann, Adsorption of Br_2 on Na-intercalated n-WSe_2: Br-induced deintercalation 377–379 (1997) 659
Y. Baba, K. Yoshii, H. Yamamoto, T.A. Sasaki and W. Wurth, Element-specific desorption from molecular adsorbates by core-to-valence resonant photoexcitation 377–379 (1997) 699
M. Kiskinova and G. Paolucci, Spectromicroscopy of complex interfaces and real-time reaction studies at ELETTRA 377–379 (1997) 735
H.I. Starnberg, H.E. Brauer and H.P. Hughes, Exchange reaction between intercalated Na and K studied by synchrotron radiation 377–379 (1997) 828
T. van Gemmeren, R.L. Johnson, R. Sporken and P.A. Thiry, Photoemission study of CdTe growth on GaSb(111)A 377–379 (1997) 882
R. Belkhou, J. Thiele and C. Guillot, Growth of Pt/Cu(100): formation of a surface alloy 377–379 (1997) 948
G. Le Lay, M. Göthelid, V.Yu. Aristov, A. Cricenti, M.C. Håkansson, C. Giammichele, P. Perfetti, J. Avila and M.C. Asensio, Adsorption of C_{60} on Si(111)$\sqrt{3} \times \sqrt{3}$R(30°)-Ag 377–379 (1997) 1061

Photon absorption spectroscopy

Infrared absorption spectroscopy

F. Boccuzzi, E. Guglielminotti, F. Pinna and G. Strukul, Surface composition and reactivity of bimetallic Au–Pt/ZrO_2 samples 377–379 (1997) 728
J.H. Miners, R. Martin, P. Gardner, R. Nalezinski and A.M. Bradshaw, Monitoring adsorbed species during oscillatory reactions using vibrational spectroscopy 377–379 (1997) 791

Photoacoustic spectroscopy

Y. Baba, K. Yoshii, H. Yamamoto, T.A. Sasaki and W. Wurth, Element-specific desorption from molecular adsorbates by core-to-valence resonant photoexcitation 377–379 (1997) 699

X-ray absorption spectroscopy

R. Zalla, S. Iacobucci, M. De Santis and M. Sancrotti, Cu 2p X-ray absorption spectroscopy of the metastable Cu/Ag(001) interface 377–379 (1997) 279
J. Dresselhaus, D. Spanke, F.U. Hillebrecht, E. Kisker, G. van der Laan, J.B. Goedkoop and N.B. Brookes, Probing the magnetism of MnFe surface alloys on Fe(100) by circular magnetic dichroism and total yield microscopy 377–379 (1997) 450
H.A. Dürr, G. van der Laan, D. Spanke, F.U. Hillebrecht, N.B. Brookes and J.B. Goedkoop, Hybridization and magnetism in ultrathin Mn films 377–379 (1997) 466
E. Magnano, S. Vandré, C. Cepek, A. Goldoni, A.D. Laine, G.M. Curró, A. Santaniello and M. Sancrotti, Substrate–adlayer interaction at the C_{60}/Ag(110) interface studied by high-resolution synchrotron radiation 377–379 (1997) 1066
G.H. Fecher, Y. Hwu and W. Swiech, Chemical microimaging and microspectroscopy of surfaces with a photoemission microscope 377–379 (1997) 1106

Photon stimulated desorption (non-electronic)

J. Viereck, M. Stuke and F. Träger, Non-thermal kinetic-energy distributions of desorbed Na dimers 377–379 (1997) 687

Reflection spectroscopy

V. Fernandez, D. Pahlke, N. Esser, K. Stahrenberg, O. Hunderi, A.M. Bradshaw and W. Richter, Study of clean and oxygen-covered Ag surfaces using optical reflectance anisotropy 377–379 (1997) 388
C. Springer, U. Resch-Esser, C. Goletti, W. Richter and B.O. Fimland, Surface reflectance anisotropy of indium-terminated GaAs(100) surfaces 377–379 (1997) 404
C. Ruggiero and P. Hollins, Interaction of CO molecules with the Au(332) surface 377–379 (1997) 583
D. Martin, F. Creuzet, J. Jupille, Y. Borensztein and P. Gadenne, 2D and 3D silver adlayers on TiO_2(110) surfaces 377–379 (1997) 958

Scanning tunneling microscopy

H.J.W. Zandvliet, Ordering of vacancies on Si(001) 377–379 (1997) 1
S. Tan, A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15
Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32
J.M. Gómez-Rodríguez, J.-Y. Veuillen and R.C. Cinti, Scanning tunneling microscopy study of the Si(111)-($\sqrt{3} \times \sqrt{3}$)-Pb mosaic phase 377–379 (1997) 45
F. Mugele, A. Rettenberger, J. Boneberg and P. Leiderer, Step roughness on Ag(111) investigated by STM: a systematic study of tip influence 377–379 (1997) 62
S. Poulston, A. Jones, R.A. Bennett and M. Bowker, An STM investigation of formic acid adsorption on oxygen precovered Cu(110) 377–379 (1997) 66

G. Falkenberg, L. Seehofer and R.L. Johnson, Changes in the surface morphology of Ge(001) due to Sb adsorption 377–379 (1997) 75

Ch. Ammer, K. Meinel, H. Wolter and H. Neddermeyer, Oxygen-induced restructuring of strained Cu layers on Ru(0001) 377–379 (1997) 81

O. Citterio, F. Mazzoleni, E. Monticone and G.B. Picotto, Surface characterisation of electroformed mirrors for an X-ray telescope 377–379 (1997) 98

O. Gülseren, R. James and D.W. Bullett, Theoretical analysis of STM experiments at rutile TiO_2 surfaces 377–379 (1997) 150

M. Kruft, B. Wohlmann, C. Stuhlmann and K. Wandelt, Chloride adsorption on Cu(111) electrodes in dilute HCl solutions 377–379 (1997) 601

T.W. Fishlock, J.B. Pethica, F.H. Jones, R.G. Egdell and J.S Foord, Interaction of chlorine with nickel (110) studied by scanning tunneling microscopy 377–379 (1997) 629

K. Tanaka, Y. Okawa, Y. Matsumoto and T. Fujita, Atomic-scale fabrication of novel surfaces using chemical reactions 377–379 (1997) 744

J.-Y. Veuillen, J.M. Gómez-Rodríguez, A.M. Baró and R.C. Cinti, Adsorption and diffusion of single Pb atoms on Si(111)7 × 7 and Si(111)5 × 5 surfaces studied by scanning tunneling microscopy 377–379 (1997) 847

W. Weiß, M. Kutschera, U. Starke, M. Mozaffari, K. Reshöft, U. Köhler and K. Heinz, Development of structural phases of iron silicide films on Si(111) studied by LEED, AES and STM 377–379 (1997) 861

B. Holst, M. Nohlen, K. Wandelt and W. Allison, The growth of ultra thin Cu-films on Pt(111), probed by helium atom scattering and scanning tunneling microscopy 377–379 (1997) 891

G.E. Cirlin, V.N. Petrov, A.O. Golubok, S.Ya. Tipissev, V.G. Dubrovskii, G.M. Guryanov, N.N. Ledentsov and D. Bimberg, Effect of growth kinetics on the InAs/GaAs quantum dot arrays formation on vicinal surfaces 377–379 (1997) 895

M. Naitoh, H. Shimaya, S. Nishigaki, N. Oishi and F. Shoji, Scanning tunneling microscopy observation of bismuth growth on Si(100) surfaces 377–379 (1997) 899

O. Cavalleri, S.E. Gilbert and K. Kern, Electrochemical Cu deposition on thiol covered Au(111) surfaces 377–379 (1997) 931

A. Wiessner, M. Agne, D. Reuter and J. Kirschner, Formation of copper crystallites on a Cu/Fe/Cu(100) sandwich 377–379 (1997) 937

N. Ramšak, A. Prodan and V. Marinković, Growth of noble metals on (100) faces of $NbSe_3$ 377–379 (1997) 975

S.W. Hla, V. Marinković and A. Prodan, Nucleation and growth of noble metals on transition-metal di-tellurides 377–379 (1997) 979

H. Wolter, K. Meinel, Ch. Ammer, K. Wandelt and H. Neddermeyer, Growth of Cu films on annealed Cu/O/Ru(0001) studied by STM 377–379 (1997) 983

J. Spitzmüller, M. Fehrenbacher, H. Rauscher and R.J. Behm, Tetramer formation on Si(100)-(2 × 1) during CVD growth from SiH_4 377–379 (1997) 1001

J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006

M. Schmid, M. Pinczolits, W. Hebenstreit and P. Varga, Segregation of impurities on Cr(100) studied by AES and STM 377–379 (1997) 1023

V. Lacquaniti, E. Monticone and G.B. Picotto, Structural and surface properties of sputtered Nb films for multilayer devices 377–379 (1997) 1042

K. Bromann, H. Brune, C. Félix, W. Harbich, R. Monot, J. Buttet and K. Kern, Hard and soft landing of mass selected Ag clusters on Pt(111) 377–379 (1997) 1051

G. Meyer and K.-H. Rieder, Controlled manipulation of single atoms and small molecules with the scanning tunneling microscope 377–379 (1997) 1087

Scanning tunneling spectroscopies

J.M. Gómez-Rodríguez, J.-Y. Veuillen and R.C. Cinti, Scanning tunneling microscopy study of the Si(111)-($\sqrt{3} \times \sqrt{3}$)-Pb mosaic phase 377–379 (1997) 45

T.W. Fishlock, J.B. Pethica, F.H. Jones, R.G. Egdell and J.S. Foord, Interaction of chlorine with nickel (110) studied by scanning tunneling microscopy 377–379 (1997) 629

Sputter deposition

H. Poelman, K. Devriendt, L. Fiermans, O. Dewaele, G. Heynderickx and G.F. Froment, XPD investigation of V_2O_5/TiO_2 anatase model catalysts 377–379 (1997) 819

Thermal desorption spectroscopy

P. Trischberger, H. Dröge, S. Gokhale, J. Henk, H.-P. Steinrück, W. Widdra and D. Menzel, One-dimensional xenon band structures on hydrogen modified and stepped platinum surfaces 377–379 (1997) 155

H. Dietrich, K. Jacobi and G. Ertl, Vibrational analysis of the NH + N coadsorbate on Ru(0001) 377–379 (1997) 308

I. Jungwirthová, I. Stará and V. Matolin, Study of CO interaction with alumina-supported Pd particles 377–379 (1997) 644

V.D. Osovskii, Yu.G. Ptushinskii, V.G. Sukretnyi, B.A. Chuikov, V.K. Medvedev and Yu. Suchorski, Molecular adsorption states of O_2 on W(111) at low temperatures (down to 5 K) 377–379 (1997) 664

W. Hoffmann and C. Benndorf, Investigations on the influence of substrate geometry of flat and stepped ruthenium surfaces Ru(0001) and Ru(10$\bar{1}$8) on the adsorption kinetics of H_2O and D_2O 377–379 (1997) 681

F. Buatier de Mongeot, M. Rocca and U. Valbusa, Isothermal desorption of O_2 from Ag(001) 377–379 (1997) 691

K.L. Kostov, P. Jakob and D. Menzel, A new high density CO/oxygen coadsorbate layer on Pt(111) and its role in CO oxidation 377–379 (1997) 802

Work function measurements

L.D. López-Carreño, J.M. Heras and L. Viscido, Adsorption and dissociation of CO_2 on polycrystalline Mo 377–379 (1997) 615

R. Linke, C. Becker, Th. Pelster, M. Tanemura and K. Wandelt, Adsorption of ethene on Cu(111) 377–379 (1997) 655

W. Hoffmann and C. Benndorf, Investigations on the influence of substrate geometry of flat and stepped ruthenium surfaces Ru(0001) and Ru(10$\bar{1}$8) on the adsorption kinetics of H_2O and D_2O 377–379 (1997) 681

X-ray scattering, diffraction, and reflection

O. Citterio, F. Mazzoleni, E. Monticone and G.B. Picotto, Surface characterisation of electroformed mirrors for an X-ray telescope 377–379 (1997) 98

H. Zimmermann, R.C. Keller, P. Meisen and M. Seelmann-Eggebert, Growth of Sn thin films on CdTe(111) 377–379 (1997) 904

D.M. Smilgies, P.J. Eng, E. Landemark and M. Nielsen, Sputtering of Ge(001): transition between dynamic scaling regimes 377–379 (1997) 1038

PHENOMENA

Adhesion

T. Bonner and A. Baratoff, Molecular dynamics study of scanning force microscopy on self-assembled monolayers 377–379 (1997) 1082

Adsorption kinetics

G. Cerrato, S. Bordiga, S. Barbera and C. Morterra, A surface study of monoclinic zirconia (m-ZrO_2) 377–379 (1997) 50

L.D. López-Carreño, J.M. Heras and L. Viscido, Adsorption and dissociation of CO_2 on polycrystalline Mo 377–379 (1997) 615

V.D. Osovskii, Yu.G. Ptushinskii, V.G. Sukretnyi, B.A. Chuikov, V.K. Medvedev and Yu. Suchorski, Molecular adsorption states of O_2 on W(111) at low temperatures (down to 5 K) 377–379 (1997) 664

C.L. Petersen, F. Grey and M. Aono, Oxidation of clean silicon surfaces studied by four-point probe surface conductance measurements 377–379 (1997) 676

W. Hoffmann and C. Benndorf, Investigations on the influence of substrate geometry of flat and stepped ruthenium surfaces Ru(0001) and Ru(10$\bar{1}$8) on the adsorption kinetics of H_2O and D_2O 377–379 (1997) 681

Atom–solid interactions

Ch.L. Spiel and G. Blahusch, Helium scattering from adsorbed gas layers observed via the generated phonons 377–379 (1997) 321

M. Kamaratos, C.A. Papageorgopoulus, D.C. Papageorgopoulos, W. Jaegermann, C. Pettenkofer and J. Lehmann, Adsorption of Br_2 on Na-intercalated *n*-WSe_2: Br-induced deintercalation 377–379 (1997) 659

G. Blahusch and Ch.L. Spiel, Neon desorption by the impact of helium atoms 377–379 (1997) 696

M.G. Dondi, C. Mannori, D. Cvetko, L. Floreano, A. Morgante, M. Peloi and F. Tommasini, Interaction of He and Ne with Cu surfaces 377–379 (1997) 710

F. Maier, S. Kneitz, H. Koschel and H.-P. Steinrück, A simple design for a helium scattering apparatus 377–379 (1997) 1101

Auger ejection

K. Mase, M. Nagasono, S. Tanaka, T. Urisu and S. Nagaoka, Study of ion desorption induced by core-level excitations of condensed $Si(CH_3)_4$ by using photoelectron–photoion coincidence spectroscopy (PEPICO) combined with synchrotron radiation 377–379 (1997) 376

M. Nagasono, K. Mase, S. Tanaka and T. Urisu, Auger-final-state selected ion desorption study of condensed NH_3 and ND_3 by using Auger electron–photoion coincidence spectroscopy 377–379 (1997) 380

Catalysis

Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32

V.I. Pazzi and G.F. Tantardini, Dynamics of oxygen adsorption on Ag(110): surface motion effects 377–379 (1997) 572

M. Valden, J. Pere, M. Hirsimäki, S. Suhonen and M. Pessa, Activated adsorption of methane on clean and oxygen-modified Pt{111} and Pd{110} 377–379 (1997) 605

A. Katrib, V. Logie, N. Saurel, P. Wehrer, L. Hilaire and G. Maire, Surface electronic structure and isomerization reactions of alkanes on some transition metal oxides 377–379 (1997) 754

F. Eisert and A. Rosén, In situ study of the catalytic reaction $H_2 + 1/2\ O_2 \rightarrow H_2O$ on Pt(111) with second harmonic generation (SHG) 377–379 (1997) 759

J.H. Miners, R. Martin, P. Gardner, R. Nalezinski and A.M. Bradshaw, Monitoring adsorbed species during oscillatory reactions using vibrational spectroscopy 377–379 (1997) 791

H. Poelman, K. Devriendt, L. Fiermans, O. Dewaele, G. Heynderickx and G.F. Froment, XPD investigation of V_2O_5/TiO_2 anatase model catalysts 377–379 (1997) 819

E. Magni and G.A. Somorjai, Surface science study of model Ziegler–Natta catalysts 377–379 (1997) 824

Chemisorption

W.G. Schmidt and F. Bechstedt, Comparison of As-rich and Sb-terminated GaAs(100)(2 × 4) reconstructions 377–379 (1997) 11

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15

G.P. Srivastava and S.J. Jenkins, Atomic structure and bonding on GaAs(001)/Sb(2 × 4) 377–379 (1997) 23

W. Dong, V. Ledentu, P. Saute, G. Kresse and J. Hafner, A theoretical study of the H-induced reconstructions of the Pd(110) surface 377–379 (1997) 56

G. Falkenberg, L. Seehofer and R.L. Johnson, Changes in the surface morphology of Ge(001) due to Sb adsorption 377–379 (1997) 75

I.D. Cocks, Q. Guo, R. Patel, E.M. Williams, E. Roman and J.L. de Segovia, The structure of $TiO_2(110)$ (1×1) and (1×2) surfaces with acetic acid adsorption – a PES study 377–379 (1997) 135

V. Chab, L. Pekarek, I. Ulrych, J. Suchy, K.C. Prince, M. Peloi, M. Evans, C. Comicioli, M. Zacchigna and C. Crotti, Soft X-ray photoemission studies of S/InP(100) 377–379 (1997) 261

D.M. Bird and P.A. Gravil, First-principles calculations of molecular dissociation at surfaces 377–379 (1997) 555

V.I. Pazzi and G.F. Tantardini, Dynamics of oxygen adsorption on Ag(110): surface motion effects 377–379 (1997) 572

C. Ruggiero and P. Hollins, Interaction of CO molecules with the Au(332) surface 377–379 (1997) 583

M. Casarin, C. Maccato and A. Vittadini, An LCAO-LDF study of the chemisorption of H_2O and H_2S on ZnO(0001) and ZnO(10$\bar{1}$0) 377–379 (1997) 587

M. Valden, J. Pere, M. Hirsimäki, S. Suhonen and M. Pessa, Activated adsorption of methane on clean and oxygen-modified Pt{111} and Pd{110} 377–379 (1997) 605

U. Großner, W.G. Schmidt, F. Bechstedt, P.V. Santos, B. Koopmans and N. Esser, Chemisorption of arsenic on InP(110) 377–379 (1997) 619

T.W. Fishlock, J.B. Pethica, F.H. Jones, R.G. Egdell and J.S. Foord, Interaction of chlorine with nickel (110) studied by scanning tunneling microscopy 377–379 (1997) 629

V.D. Osovskii, Yu.G. Ptushinskii, V.G. Sukretnyi, B.A. Chuikov, V.K. Medvedev and Yu. Suchorski, Molecular adsorption states of O_2 on W(111) at low temperatures (down to 5 K) 377–379 (1997) 664

L. Vattuone, P. Gambardella, U. Valbusa and M. Rocca, HREELS study of O_2 molecular chemisorption on Ag(001) 377–379 (1997) 671

R.G. Jones, S. Turton and R. Ithnin, Hot ethene desorption from Cu(111) 377–379 (1997) 705

G. Kaneda, N. Sanada and Y. Fukuda, HREELS study of triethylphosphine (TEP) and tertiarybutylphosphine (TBP) on a Si(001)-(2×1) surface 377–379 (1997) 724

M. Kiskinova and G. Paolucci, Spectromicroscopy of complex interfaces and real-time reaction studies at ELETTRA 377–379 (1997) 735

R.P. Holroyd and M. Bowker, Molecular beam studies of alcohol (C_1–C_3) adsorption and reaction with oxygen-precovered Pd(110) 377–379 (1997) 786

J.H. Miners, R. Martin, P. Gardner, R. Nalezinski and A.M. Bradshaw, Monitoring adsorbed species during oscillatory reactions using vibrational spectroscopy 377–379 (1997) 791

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte Carlo simulation of epitaxial growth on a (111) layer with mismatch 377–379 (1997) 997

Compound formation

H.I. Starnberg, H.E. Brauer and H.P. Hughes, Exchange reaction between intercalated Na and K studied by synchrotron radiation 377–379 (1997) 828

T. van Gemmeren, R.L. Johnson, R. Sporken and P.A. Thiry, Photoemission study of CdTe growth on GaSb(111)A 377–379 (1997) 882

W. Weiß, Structure and composition of thin epitaxial iron oxide films grown onto Pt(111) 377–379 (1997) 943

C. Gallis, B. Legrand and G. Tréglia, On the "exotic" behaviour of the Pt–Sn system 377–379 (1997) 1033

Diffusion and migration

D. Fuhrmann and Ch. Wöll, The melting of a two-dimensional lattice of flexible rod-shaped molecules: structure and dynamics studied by He atom scattering 377–379 (1997) 544

S.J. Jenkins and G.P. Srivastava, Energetic evidence for mixed dimer growth on the Si(001)/Ge(2×1) surface 377–379 (1997) 887

B. Holst, M. Nohlen, K. Wandelt and W. Allison, The growth of ultra thin Cu-films on Pt(111), probed by helium atom scattering and scanning tunneling microscopy 377–379 (1997) 891

T. Yasue and T. Koshikawa, Effect of hydrogen on Cu formation on Si(111) 377–379 (1997) 923

R. Belkhou, J. Thiele and C. Guillot, Growth of Pt/Cu(100): formation of a surface alloy 377–379 (1997) 948

R. Pfandzelter, T. Igel and H. Winter, Interfacial mixing of ultrathin Cr films on Fe(100) studied by Auger electron spectroscopy 377–379 (1997) 963

A. Kolmakov, M. Bertolo, S. Fontana, S. Günther, J. Kovac, M. Marsi and M. Kiskinova, Interface dynamics and electromigration of the system Au–Ag/Si(111) using photoelectron emission microscopy 377–379 (1997) 969

Electron bombardment

T. Ollonqvist, R. Perälä and J. Väyrynen, Unoccupied electronic states of the $FeS_2(100)$ surface studied by inverse photoemission 377–379 (1997) 201

Electron–solid interactions

F. Schedin, G. Thornton and V.N. Petrov, Spin asymmetries in inverse photoemission from PbS(100) 377–379 (1997) 229

Electron stimulated desorption

R.G. Jones, S. Turton and R. Ithnin, Hot ethene desorption from Cu(111) 377–379 (1997) 705

Energy dissipation

R.G. Jones, S. Turton and R. Ithnin, Hot ethene desorption from Cu(111) 377–379 (1997) 705

K. Kuhnke, R. Becker and K. Kern, C_{60} excited state energy transfer to metal surfaces across distances below 3 nm 377–379 (1997) 1056

Epitaxy

J.M. Gómez-Rodríguez, J.-Y. Veuillen and R.C. Cinti, Scanning tunneling microscopy study of the Si(111)-$(\sqrt{3} \times \sqrt{3})$-Pb mosaic phase 377–379 (1997) 45

Ch. Ammer, K. Meinel, H. Wolter and H. Neddermeyer, Oxygen-induced restructuring of strained Cu layers on Ru(0001) 377–379 (1997) 81
M. Nakamura and H. Tokumoto, Scanning probe microscopy study of the molecular arrangement of CuPc crystal on Si(001)-(2 × 1)-H 377–379 (1997) 85
H. Bulou, A. Barbier, G. Renaud, B. Carrière, R. Baudoing-Savois and J.P. Deville, Structural investigation of the Pt/Co(0001) interface by GIXS 377–379 (1997) 90
B. Schmied, M. Wilhelm, U. Kübler, M. Getzlaff, G.H. Fecher and G. Schönhense, Angular-resolved electron spectroscopy from (110) surfaces of ternary Ce-based intermetallics: $CePd_2Si_2$ and $CeNi_2Ge_2$ 377–379 (1997) 251
W. Schneider, Th. Gantz, M. Richter, S.L. Molodtsov, J. Boysen, P. Engelmann, P. Segovia-Cabrero and C. Laubschat, Angle-resolved photoemission study of Dy/Pd(111) and Ce/Pd(111) surface compounds 377–379 (1997) 275
T. van Gemmeren, R.L. Johnson, R. Sporken and P.A. Thiry, Photoemission study of CdTe growth on GaSb(111)A 377–379 (1997) 882
S.W. Hla, V. Marinković and A. Prodan, Nucleation and growth of noble metals on transition-metal di-tellurides 377–379 (1997) 979
H. Wolter, K. Meinel, Ch. Ammer, K. Wandelt and H. Neddermeyer, Growth of Cu films on annealed Cu/O/Ru(0001) studied by STM 377–379 (1997) 983
H. Wormeester, M.E. Kiene, E. Hüger and E. Bauer, Growth of hcp Cu on W(100) 377–379 (1997) 988
S. Tan, A. Ghazali and J.-C.S. Lévy, Monte Carlo simulation of epitaxial growth on a (111) layer with mismatch 377–379 (1997) 997
J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006
K. Bromann, H. Brune, C. Félix, W. Harbich, R. Monot, J. Buttet and K. Kern, Hard and soft landing of mass selected Ag clusters on Pt(111) 377–379 (1997) 1051

Faceting

A. Filippetti and V. Fiorentini, Reconstructions of Ir(110) and (100): an ab initio study 377–379 (1997) 112
F.D. Di Tolla, Interplay of melting, wetting, overheating and faceting on metal surfaces: theory and simulation 377–379 (1997) 499

Field ionization

V.D. Osovskii, Yu.G. Ptushinskii, V.G. Sukretnyi, B.A. Chuikov, V.K. Medvedev and Yu. Suchorski, Molecular adsorption states of O_2 on W(111) at low temperatures (down to 5 K) 377–379 (1997) 664

Friction

M. Nakamura and H. Tokumoto, Scanning probe microscopy study of the molecular arrangement of CuPc crystal on Si(001)-(2 × 1)-H 377–379 (1997) 85
T. Bonner and A. Baratoff, Molecular dynamics study of scanning force microscopy on self-assembled monolayers 377–379 (1997) 1082

Growth

J.M. Gómez-Rodríguez, J.-Y. Veuillen and R.C. Cinti, Scanning tunneling microscopy study of the Si(111)-($\sqrt{3} \times \sqrt{3}$)-Pb mosaic phase 377–379 (1997) 45
G. Falkenberg, L. Seehofer and R.L. Johnson, Changes in the surface morphology of Ge(001) due to Sb adsorption 377–379 (1997) 75
M. Nakamura and H. Tokumoto, Scanning probe microscopy study of the molecular arrangement of CuPc crystal on Si(001)-(2 × 1)-H 377–379 (1997) 85
H. Bulou, A. Barbier, G. Renaud, B. Carrière, R. Baudoing-Savois and J.P. Deville, Structural investigation of the Pt/Co(0001) interface by GIXS 377–379 (1997) 90
N. Marsot, R. Belkhou, F. Scheurer, B. Bartenlian, N. Barrett, M.A. Delaunay and C. Guillot, Characterization of the Co/Au(111) interface by core-level photoemission electron spectroscopy 377–379 (1997) 225
M. Barbero, G. Mazzeo and A.C. Levi, Surface roughening in a 14-vertex model 377–379 (1997) 519
A. Mascaraque, C. Ottaviani, M. Capozi, M. Pedio and E.G. Michel, Oxygen interaction with Si(100) and K/Si(100) 377–379 (1997) 650
J.-Y. Veuillen, J.M. Gómez-Rodríguez, A.M. Baró and R.C. Cinti, Adsorption and diffusion of single Pb atoms on Si(111)7 × 7 and Si(111)5 × 5 surfaces studied by scanning tunneling microscopy 377–379 (1997) 847
S. Fölsch, B.-Ch. Choi and K.-H. Rieder, Structure of ultrathin iron films on a highly asymmetrical substrate: Fe/Cu(311) 377–379 (1997) 851
D. Paulmier, T. Le Huu and H. Zaidi, Growth and orientation of diamond crystal thin films obtained by the combustion-flame method 377–379 (1997) 866
L. Demuynck, J.C. Arnault, R. Polini and F. Le Normand, CVD diamond nucleation and growth on scratched and virgin Si(100) surfaces investigated by in-situ electron spectroscopy 377–379 (1997) 871
E. Wetli, M. Hochstrasser and M. Erbudak, Epitaxial growth of Ag in the hexagonal structure 377–379 (1997) 876
T. van Gemmeren, R.L. Johnson, R. Sporken and P.A. Thiry, Photoemission study of CdTe growth on GaSb(111)A 377–379 (1997) 882
S.J. Jenkins and G.P. Srivastava, Energetic evidence for mixed dimer growth on the Si(001)/Ge(2 × 1) surface 377–379 (1997) 887
B. Holst, M. Nohlen, K. Wandelt and W. Allison, The growth of ultra thin Cu-films on Pt(111), probed by helium atom scattering and scanning tunneling microscopy 377–379 (1997) 891
M. Naitoh, H. Shimaya, S. Nishigaki, N. Oishi and F. Shoji, Scanning tunneling microscopy observation of bismuth growth on Si(100) surfaces 377–379 (1997) 899

K.S. Lee, S.H. Kim, H.G. Min, J. Seo and J.S. Kim, The initial growth mode of Ni deposited on a Ag(001) surface 377–379 (1997) 918
T. Yasue and T. Koshikawa, Effect of hydrogen on Cu formation on Si(111) 377–379 (1997) 923
O. Cavalleri, S.E. Gilbert and K. Kern, Electrochemical Cu deposition on thiol covered Au(111) surfaces 377–379 (1997) 931
W. Weiß, Structure and composition of thin epitaxial iron oxide films grown onto Pt(111) 377–379 (1997) 943
R. Belkhou, J. Thiele and C. Guillot, Growth of Pt/Cu(100): formation of a surface alloy 377–379 (1997) 948
S. Schintke, U. Resch-Esser, N. Esser, A. Krost, W. Richter and B.O. Fimland, Surfactant-mediated growth of indium on GaAs(001) 377–379 (1997) 953
D. Martin, F. Creuzet, J. Jupille, Y. Borensztein and P. Gadenne, 2D and 3D silver adlayers on TiO_2(110) surfaces 377–379 (1997) 958
N. Ramšak, A. Prodan and V. Marinković, Growth of noble metals on (100) faces of $NbSe_3$ 377–379 (1997) 975
S.W. Hla, V. Marinković and A. Prodan, Nucleation and growth of noble metals on transition-metal di-tellurides 377–379 (1997) 979
H. Wolter, K. Meinel, Ch. Ammer, K. Wandelt and H. Neddermeyer, Growth of Cu films on annealed Cu/O/Ru(0001) studied by STM 377–379 (1997) 983
U. May, J. Fassbender and G. Güntherodt, RHEED investigations on the "pseudomorphic" growth of cobalt on Cu(001) 377–379 (1997) 992
S. Tan, A. Ghazali and J.-C.S. Lévy, Monte Carlo simulation of epitaxial growth on a (111) layer with mismatch 377–379 (1997) 997
J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006

Interface states

P. Segovia, G.R. Castro, A. Mascaraque and E.G. Michel, Metallization onset in K/Si(100)-(2 × 1) 377–379 (1997) 220
M. Fanciulli, S. Degroote, G. Weyer and G. Langouche, Investigation of the Fe/Si interface and its phase transformations 377–379 (1997) 529
H. Zimmermann, R.C. Keller, P. Meisen and M. Seelmann-Eggebert, Growth of Sn thin films on CdTe(111) 377–379 (1997) 904
K. Fukutani, H. Iwai, H. Yamashita, Y. Murata, S. Hatori and K. Kobayashi, Interface hydrogen between a Pb overlayer and H-saturated Si(111) studied by a resonant nuclear reaction 377–379 (1997) 1010

Ion bombardment

F. Maier, S. Kneitz, H. Koschel and H.-P. Steinrück, A simple design for a helium scattering apparatus 377–379 (1997) 1101

Light scattering

K. Yamaguchi, M. Uchida and P. Abraha, Measurement of the pressure distribution on contact surfaces by the detection of a transferred oil film 377–379 (1997) 1015

Luminescence

Chemiluminescence

H. Uetsuka, K. Watanabe, H. Ohnuma and K. Kunimori, Infrared chemiluminescence study of the dynamics of steady-state CO oxidation on single-crystal PD surfaces: effect of oxygen pretreatment 377–379 (1997) 765

Magnetic phenomena (cyclotron resonance, phase transitions, etc.)

M. Boero, G.R. Nash, S.J. Bending, J.C. Inkson, P. Grambow, K. Eberl and Y. Kershaw, Surface acoustic wave scattering in quantum wire arrays: theory and experiment 377–379 (1997) 339
M. Wierzbicki and J. Kociński, Light propagation in an antiferromagnetic spiral 377–379 (1997) 418
Ch. Ostertag, J. Paul, N.A. Cherepkov, A. Oelsner, G.H. Fecher and G. Schönhense, Dichroism in VUV photoemission from the (0001)-surfaces of ultrathin Gd and Nd films on W(110) 377–379 (1997) 427
J. Dresselhaus, D. Spanke, F.U. Hillebrecht, E. Kisker, G. van der Laan, J.B. Goedkoop and N.B. Brookes, Probing the magnetism of MnFe surface alloys on Fe(100) by circular magnetic dichroism and total yield microscopy 377–379 (1997) 450
M. Potthoff and W. Nolting, Curie temperature and layer magnetizations of thin bcc (110) Hubbard films 377–379 (1997) 457
M. Mingozzi, O. Donzelli, J.M.V. Ngaboyisonga and F. Nizzoli, Effect of magnetic anisotropies on spin waves of multilayers with antiferromagnetic coupling 377–379 (1997) 462
J. Bansmann, L. Lu, M. Getzlaff and K.H. Meiwes Broer, Magnetic phenomena of cobalt on Cu(111) 377–379 (1997) 476
M. Salvietti, P. Ferro, R. Moroni, M. Canepa and L. Mattera, Surface magnetism of an ultrathin Fe/Ag(100) film: influence of O_2 and CO adsorption 377–379 (1997) 481
H.M. Zhang and Y. Li, Magnetic anisotropy of the near-surface region of Ni(110) 377–379 (1997) 491

Nucleation

W. Hoffmann and C. Benndorf, Investigations on the influence of substrate geometry of flat and stepped ruthenium surfaces Ru(0001) and Ru(10$\bar{1}$8) on the adsorption kinetics of H_2O and D_2O 377–379 (1997) 681
L. Demuynck, J.C. Arnault, R. Polini and F. Le Normand, CVD diamond nucleation and growth on scratched and virgin Si(100) surfaces investigated by in-situ electron spectroscopy 377–379 (1997) 871

B. Holst, M. Nohlen, K. Wandelt and W. Allison, The growth of ultra thin Cu-films on Pt(111), probed by helium atom scattering and scanning tunneling microscopy 377–379 (1997) 891

J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006

Oxidation

F. Esaka, K. Furuya, H. Shimada, M. Imamura, N. Matsubayashi, T. Sato, A. Nishijima, T. Kikuchi, A. Kawana and H. Ichimura, Depth profiling of surface oxidized TiAlN film by synchrotron radiation excited X-ray photoelectron spectroscopy 377–379 (1997) 197

W. Arabczyk and U. Narkiewicz, Kinetics of the oxidation of the iron surface covered with potassium – geometrical aspect 377–379 (1997) 578

A. Mascaraque, C. Ottaviani, M. Capozi, M. Pedio and E.G. Michel, Oxygen interaction with Si(100) and K/Si(100) 377–379 (1997) 650

C.L. Petersen, F. Grey and M. Aono, Oxidation of clean silicon surfaces studied by four-point probe surface conductance measurements 377–379 (1997) 676

R. Castell, S. Reiff, W. Drachsel and J.H. Block, Influence of laser-induced defects on catalytic CO oxidation on Pt(111) 377–379 (1997) 770

S. Maruno, S. Fujita, H. Watanabe and M. Ichikawa, Oxidation of partially Ga-terminated Si(111) surfaces 377–379 (1997) 775

C. Stampfl and M. Scheffler, Study of CO oxidation over Ru(0001) at high gas pressures 377–379 (1997) 808

W. Weiß, Structure and composition of thin epitaxial iron oxide films grown onto Pt(111) 377–379 (1997) 943

Photochemistry

M. Bauer, S. Pawlik and M. Aeschlimann, Femtosecond lifetime investigations of excited adsorbate states: atomic oxygen on Cu(111) 377–379 (1997) 350

Photoelectron diffraction

P. Rennert, Yu. Kucherenko and L. Niebergall, Dichroism in the spin-polarized Auger electron diffraction for the S/Fe(001) surface 377–379 (1997) 422

J. Avila, A. Mascaraque, C. Teodorescu, E.G. Michel and M.C. Asensio, Fe/Si(111) interface formation studied by photoelectron diffraction 377–379 (1997) 856

H. Zimmermann, R.C. Keller, P. Meisen and M. Seelmann-Eggebert, Growth of Sn thin films on CdTe(111) 377–379 (1997) 904

M. Seelmann-Eggebert, Imaging scatterer planes by photoelectron diffraction 377–379 (1997) 1094

Photoelectron emission

A.A. Cafolla, C. McGinley, E. McLoughlin, G. Hughes, P. Moriarty, A.W. Dunn, Y.-R. Ma, D. Teehan, B. Murphy, S. Downes and D.A. Woolf, Adsorption of Sb on GaAs(111)B studied by photoemission and low energy electron diffraction 377–379 (1997) 130

J.C. Parlebas, P. Krüger, M. Taguchi, C. Demangeat and A. Kotani, Calculation for core-s-XPS of transition metals on graphite 377–379 (1997) 177

M. Getzlaff and G. Schönhense, Electronic structure of adsorbed organic molecules 377–379 (1997) 187

S. Pawlik, M. Bauer and M. Aeschlimann, Lifetime difference of photoexcited electrons between intraband and interband transitions 377–379 (1997) 206

P. Segovia, G.R. Castro, A. Mascaraque and E.G. Michel, Metallization onset in K/Si(100)-(2 × 1) 377–379 (1997) 220

S. Warren, A.G. Thomas, J. Hollingworth, W.R. Flavell, P.L. Wincott, A. Prime, S. Downes and C. Chen, Angle-resolved photoemission of CuO (100) 377–379 (1997) 256

M. Wolf, Femtosecond dynamics of electronic excitations at metal surfaces 377–379 (1997) 343

M. Schicketanz, A. Oelsner, J. Morais, Th. Jentzsch, G.H. Fecher and G. Schönhense, The dependence of circular dichroism in photoemission on the optical properties of Cs monolayers on Pt(111) 377–379 (1997) 432

J. Bansmann, L. Lu, M. Getzlaff and K.H. Meiwes Broer, Magnetic phenomena of cobalt on Cu(111) 377–379 (1997) 476

N.V. Dobrodey, L.S. Cederbaum and F. Tarantelli, On core-hole screening in chemisorption systems 377–379 (1997) 623

J. Avila, A. Mascaraque, C. Teodorescu, E.G. Michel and M.C. Asensio, Fe/Si(111) interface formation studied by photoelectron diffraction 377–379 (1997) 856

A. Kolmakov, M. Bertolo, S. Fontana, S. Günther, J. Kovac, M. Marsi and M. Kiskinova, Interface dynamics and electromigration of the system Au–Ag/Si(111) using photoelectron emission microscopy 377–379 (1997) 969

Photon stimulated desorption

K. Mase, M. Nagasono, S. Tanaka, T. Urisu and S. Nagaoka, Study of ion desorption induced by core-level excitations of condensed $Si(CH_3)_4$ by using photoelectron–photoion coincidence spectroscopy (PEPICO) combined with synchrotron radiation 377–379 (1997) 376

M. Nagasono, K. Mase, S. Tanaka and T. Urisu, Auger-final-state selected ion desorption study of condensed NH_3 and ND_3 by using Auger electron–photoion coincidence spectroscopy 377–379 (1997) 380

Physical adsorption

P. Trischberger, H. Dröge, S. Gokhale, J. Henk, H.-P. Steinrück, W. Widdra and D. Menzel, One-dimensional xenon band structures on hydrogen modified and stepped platinum surfaces 377–379 (1997) 155

J.C. Parlebas, P. Krüger, M. Taguchi, C. Demangeat and A. Kotani, Calculation for core-s-XPS of transition metals on graphite 377–379 (1997) 177

M. Bienfait, P. Zeppenfeld, O.E. Vilches, J.P. Palmari and H.J. Lauter, Structure and phase transitions of D_2 + Ar mixtures adsorbed on graphite 377–379 (1997) 504

D. Fuhrmann and Ch. Wöll, The melting of a two-dimensional lattice of flexible rod-shaped molecules: structure and dynamics studied by He atom scattering 377–379 (1997) 544

M. Kruft, B. Wohlmann, C. Stuhlmann and K. Wandelt, Chloride adsorption on Cu(111) electrodes in dilute HCl solutions 377–379 (1997) 601

D. Ferry, A. Glebov, V. Senz, J. Suzanne, J.P. Toennies and H. Weiss, The properties of a two-dimensional water layer on MgO(001) 377–379 (1997) 634

V.D. Osovskii, Yu.G. Ptushinskii, V.G. Sukretnyi, B.A. Chuikov, V.K. Medvedev and Yu. Suchorski, Molecular adsorption states of O_2 on W(111) at low temperatures (down to 5 K) 377–379 (1997) 664

M.F. Bertino, S. Miret-Artés, J.P. Toennies and G. Benedek, Rotationally mediated focussed inelastic resonances in D_2 scattering from Cu(001) 377–379 (1997) 714

K. Tanaka, Y. Okawa, Y. Matsumoto and T. Fujita, Atomic-scale fabrication of novel surfaces using chemical reactions 377–379 (1997) 744

F. Vanolli, U. Heiz and W.-D. Schneider, Thermal chemistry of $Mn_2(CO)_{10}$ deposited on MgO thin films 377–379 (1997) 780

Quantum effects

A. Kirilyuk, A.V. Petukhov, Th. Rasing, R. Mégy and P. Beauvillain, Second harmonic generation study of quantum well states in thin noble metal overlayer films 377–379 (1997) 409

Second harmonic generation

A. Kirilyuk, A.V. Petukhov, Th. Rasing, R. Mégy and P. Beauvillain, Second harmonic generation study of quantum well states in thin noble metal overlayer films 377–379 (1997) 409

Self-assembly

H.J.W. Zandvliet, Ordering of vacancies on Si(001) 377–379 (1997) 1

K. Tanaka, Y. Okawa, Y. Matsumoto and T. Fujita, Atomic-scale fabrication of novel surfaces using chemical reactions 377–379 (1997) 744

G.E. Cirlin, V.N. Petrov, A.O. Golubok, S.Ya. Tipissev, V.G. Dubrovskii, G.M. Guryanov, N.N. Ledentsov and D. Bimberg, Effect of growth kinetics on the InAs/GaAs quantum dot arrays formation on vicinal surfaces 377–379 (1997) 895

O. Cavalleri, S.E. Gilbert and K. Kern, Electrochemical Cu deposition on thiol covered Au(111) surfaces 377–379 (1997) 931

J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006

Sputtering

D.M. Smilgies, P.J. Eng, E. Landemark and M. Nielsen, Sputtering of Ge(001): transition between dynamic scaling regimes 377–379 (1997) 1038

Sticking

A.D. Kinnersley, G.R. Darling and S. Holloway, Effect of initial rotations on the sticking of NO on Pt(111) 377–379 (1997) 567

M. Valden, J. Pere, M. Hirsimäki, S. Suhonen and M. Pessa, Activated adsorption of methane on clean and oxygen-modified Pt{111} and Pd{110} 377–379 (1997) 605

F. Buatier de Mongeot, M. Rocca and U. Valbusa, Isothermal desorption of O_2 from Ag(001) 377–379 (1997) 691

R.P. Holroyd and M. Bowker, Molecular beam studies of alcohol (C_1–C_3) adsorption and reaction with oxygen-precovered Pd(110) 377–379 (1997) 786

V. Nehasil, I. Stará and V. Matolín, Molecular beam study of CO and O_2 sticking coefficients on Rh model catalysts 377–379 (1997) 813

J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006

Surface chemical reaction

Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32

M.A. Zaïbi, J.P. Lacharme and C.A. Sébenne, Water vapour adsorption on the Si(111)-(7 × 7) surface 377–379 (1997) 639

R.G. Jones, S. Turton and R. Ithnin, Hot ethene desorption from Cu(111) 377–379 (1997) 705

G. Kaneda, N. Sanada and Y. Fukuda, HREELS study of triethylphosphine (TEP) and tertiarybutylphosphine (TBP) on a Si(001)-(2 × 1) surface 377–379 (1997) 724

M. Kiskinova and G. Paolucci, Spectromicroscopy of complex interfaces and real-time reaction studies at ELETTRA 377–379 (1997) 735

K. Tanaka, Y. Okawa, Y. Matsumoto and T. Fujita, Atomic-scale fabrication of novel surfaces using chemical reactions 377–379 (1997) 744

F. Eisert and A. Rosén, In situ study of the catalytic reaction $H_2 + 1/2\ O_2 \rightarrow H_2O$ on Pt(111) with second harmonic generation (SHG) 377–379 (1997) 759

H. Uetsuka, K. Watanabe, H. Ohnuma and K. Kunimori, Infrared chemiluminescence study of the dynamics of steady-state CO oxidation on single-crystal PD surfaces: effect of oxygen pretreatment 377–379 (1997) 765

F. Vanolli, U. Heiz and W.-D. Schneider, Thermal chemistry of $Mn_2(CO)_{10}$ deposited on MgO thin films 377–379 (1997) 780

M. Borbach, W. Stenzel, H. Conrad and A.M. Bradshaw, Hydroxyl formation on Ag(110) studied bt HREELS 377–379 (1997) 796

K.L. Kostov, P. Jakob and D. Menzel, A new high density CO/oxygen coadsorbate layer on Pt(111) and its role in CO oxidation 377–379 (1997) 802

E. Magni and G.A. Somorjai, Surface science study of model Ziegler–Natta catalysts 377–379 (1997) 824

H.I. Starnberg, H.E. Brauer and H.P. Hughes, Exchange reaction between intercalated Na and K studied by synchrotron radiation 377–379 (1997) 828
J. Spitzmüller, M. Fehrenbacher, H. Rauscher and R.J. Behm, Tetramer formation on Si(100)-(2 × 1) during CVD growth from SiH_4 377–379 (1997) 1001

Surface diffusion

F. Mugele, A. Rettenberger, J. Boneberg and P. Leiderer, Step roughness on Ag(111) investigated by STM: a systematic study of tip influence 377–379 (1997) 62
I. Jungwirthová, I. Stará and V. Matolin, Study of CO interaction with alumina-supported Pd particles 377–379 (1997) 644
V. Nehasil, I. Stará and V. Matolín, Molecular beam study of CO and O_2 sticking coefficients on Rh model catalysts 377–379 (1997) 813
J. Ellis and A.P. Graham, The use of quasielastic helium atom scattering to study correlated motion in adsorbate overlayers 377–379 (1997) 833
J.-Y. Veuillen, J.M. Gómez-Rodríguez, A.M. Baró and R.C. Cinti, Adsorption and diffusion of single Pb atoms on Si(111)7 × 7 and Si(111)5 × 5 surfaces studied by scanning tunneling microscopy 377–379 (1997) 847
A. Wiessner, M. Agne, D. Reuter and J. Kirschner, Formation of copper crystallites on a Cu/Fe/Cu(100) sandwich 377–379 (1997) 937
A. Kolmakov, M. Bertolo, S. Fontana, S. Günther, J. Kovac, M. Marsi and M. Kiskinova, Interface dynamics and electromigration of the system Au–Ag/Si(111) using photoelectron emission microscopy 377–379 (1997) 969
J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006
M. DeKieviet, D. Dubbers, M. Klein, Ch. Schmidt and M. Skrzipczyk, Surface science using molecular beam spin echo 377–379 (1997) 1112

Surface electrical transport (surface conductivity, surface recombination, etc.)

C.L. Petersen, F. Grey and M. Aono, Oxidation of clean silicon surfaces studied by four-point probe surface conductance measurements 377–379 (1997) 676

Surface electronic phenomena (work function, surface potential, surface states, etc.)

J.M. Gómez-Rodríguez, J.-Y. Veuillen and R.C. Cinti, Scanning tunneling microscopy study of the Si(111)-($\sqrt{3} \times \sqrt{3}$)-Pb mosaic phase 377–379 (1997) 45
M. Zitzlsperger, R. Honke, P. Pavone and U. Schröder, Ab initio calculation of the structure, the electronic states and the phonon dispersion of the Si(111)-(2 × 1) surface 377–379 (1997) 108
A.C. Ferraz and G.P. Srivastava, Atomic geometry and electronic structure of S/InP(001) 377–379 (1997) 121
L. Duò, Surface-hybridization interplay in the spectroscopy of Ce compounds 377–379 (1997) 160
J.A. Martin-Gago, J.Y. Veuillen, C. Casado and T.A.N. Tan, Experimental Fermi surface determination of epitaxial $ErSi_{1.7}$(0001) on Si(111) 377–379 (1997) 172
A. Akremi, J.P. Lacharme and C.A. Sébenne, Residual gap surface states along variously hydrogenated silicon (111) and (100) surfaces 377–379 (1997) 192
L. Gavioli, M.G. Betti and C. Mariani, Electronic properties of (2 × *n*)-Bi reconstructions on Si(100) 377–379 (1997) 215
F. Schedin, G. Thornton and V.N. Petrov, Spin asymmetries in inverse photoemission from PbS(100) 377–379 (1997) 229
P.L. Wincott, J.S.G. Irwin, G. Jones, P.J. Hardman, G. Thornton, S. Weichel, P.J. Møller and V.R. Dhanak, Angle-resolved photoemission studies of the $\bar{\Gamma}$ Shockley surface state on ordered Cu(111) overlayers n TiO_2(110) 377–379 (1997) 242
S. Warren, A.G. Thomas, J. Hollingworth, W.R. Flavell, P.L. Wincott, A. Prime, S. Downes and C. Chen, Angle-resolved photoemission of CuO (100) 377–379 (1997) 256
L.K. Wilson and P.T. Andrews, Unoccupied surface states of Cr(001) detected by K-resolved inverse photoemission 377–379 (1997) 271
M. Wolf, Femtosecond dynamics of electronic excitations at metal surfaces 377–379 (1997) 343
L. Gavioli, M.G. Betti, C. Mariani, A.I. Shkrebtii, R. Del Sole, C. Cepek, A. Goldoni and S. Modesti, Dynamics of the Si(100) surface 377–379 (1997) 360
V. Fernandez, D. Pahlke, N. Esser, K. Stahrenberg, O. Hunderi, A.M. Bradshaw and W. Richter, Study of clean and oxygen-covered Ag surfaces using optical reflectance anisotropy 377–379 (1997) 388
Ch. Ostertag, J. Paul, N.A. Cherepkov, A. Oelsner, G.H. Fecher and G. Schönhense, Dichroism in VUV photoemission from the (0001)-surfaces of ultrathin Gd and Nd films on W(110) 377–379 (1997) 427
Y.Q. Cai, A.M. Bradshaw, A.P.J. Stampfl, S. Tkatchenko, J.D. Riley and R.C.G. Leckey, A temperature-dependent study of the magnetic surface states on Ni(100) using angle-resolved photoemission 377–379 (1997) 470
E. Weschke, C. Schüßler-Langeheine, R. Meier, A.V. Fedorov, K. Starke, F. Hübinger and G. Kaindl, Evidence for Stoner-like behavior of the surface state on Gd(0001) 377–379 (1997) 487
E. Magnano, S. Vandré, C. Cepek, A. Goldoni, A.D. Laine, G.M. Curró, A. Santaniello and M. Sancrotti, Substrate–adlayer interaction at the C_{60}/Ag(110) interface studied by high-resolution synchrotron radiation 377–379 (1997) 1066

Surface energy

H.J.W. Zandvliet, Ordering of vacancies on Si(001) 377–379 (1997) 1
L. Adamowicz and M. Zbroszczyk, Low coverage of III–V semiconductor surfaces within TB-LMTO-ASA approach 377–379 (1997) 247

J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006

Surface melting

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15
S. Vandré, A. Santoni, A. Goldoni, V.R. Dhanak and M. Sancrotti, High-temperature core-level photoemission study of Si(111) 377–379 (1997) 283
F.D. Di Tolla, Interplay of melting, wetting, overheating and faceting on metal surfaces: theory and simulation 377–379 (1997) 499

Surface relaxation and reconstruction

P.J. Kundrotas, S. Lapinskas and A. Rosengren, Theoretical study of the oxygen-induced missing-row reconstruction on the Rh(110) surface 377–379 (1997) 7
S. Gallego, C. Ocal and F. Soria, Surface and bulk reconstruction of Pt(111) 1×1 377–379 (1997) 18
D. Passerone, F. Ercolessi and E. Tosatti, High temperature study of flat reconstructed Au(100) and its vicinals 377–379 (1997) 27
Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32
W. Dong, V. Ledentu, P. Saute, G. Kresse and J. Hafner, A theoretical study of the H-induced reconstructions of the Pd(110) surface 377–379 (1997) 56
G. Falkenberg, L. Seehofer and R.L. Johnson, Changes in the surface morphology of Ge(001) due to Sb adsorption 377–379 (1997) 75
Ch. Ammer, K. Meinel, H. Wolter and H. Neddermeyer, Oxygen-induced restructuring of strained Cu layers on Ru(0001) 377–379 (1997) 81
M. Zitzlsperger, R. Honke, P. Pavone and U. Schröder, Ab initio calculation of the structure, the electronic states and the phonon dispersion of the Si(111)-(2×1) surface 377–379 (1997) 108
A. Filippetti and V. Fiorentini, Reconstructions of Ir(110) and (100): an ab initio study 377–379 (1997) 112
A.C. Ferraz and G.P. Srivastava, Atomic geometry and electronic structure of S/InP(001) 377–379 (1997) 121
I.Yu. Sklyadneva, G.G. Rusina and E.V. Chulkov, Vibrational states on Pd surfaces 377–379 (1997) 313
R. Honke, A.P. Mayer, P. Pavone and U. Schröder, Theoretical investigation of the surface dynamics of Si(111):H-(1×1) 377–379 (1997) 317
H.M. Tütüncü, S.J. Jenkins and G.P. Srivastava, Phonon modes for the symmetric and asymmetric dimer models of the Si(001)(2×1) surface 377–379 (1997) 335
J.E. Gayone, E.A. Sánchez, R.G. Pregliasco and O. Grizzi, TOF-ISS investigation of the dependence of the GaAs(110) surface derelaxation with the hydrogen exposure 377–379 (1997) 597
T.W. Fishlock, J.B. Pethica, F.H. Jones, R.G. Egdell and J.S. Foord, Interaction of chlorine with nickel (110) studied by scanning tunneling microscopy 377–379 (1997) 629
K. Tanaka, Y. Okawa, Y. Matsumoto and T. Fujita, Atomic-scale fabrication of novel surfaces using chemical reactions 377–379 (1997) 744
U. May, J. Fassbender and G. Güntherodt, RHEED investigations on the "pseudomorphic" growth of cobalt on Cu(001) 377–379 (1997) 992
G. Le Lay, M. Göthelid, V.Yu. Aristov, A. Cricenti, M.C. Håkansson, C. Giammichele, P. Perfetti, J. Avila and M.C. Asensio, Adsorption of C_{60} on Si(111)$\sqrt{3} \times \sqrt{3}$R(30°)-Ag 377–379 (1997) 1061

Surface roughening

G. Santoro, A. Laio, M. Fabrizio and E. Tosatti, Interacting hard-core bosons and surface physics 377–379 (1997) 514
M. Barbero, G. Mazzeo and A.C. Levi, Surface roughening in a 14-vertex model 377–379 (1997) 519
L. Pedemonte, G. Bracco and R. Tatarek, A critical discussion about the roughening temperature estimation: the Ag(110) case 377–379 (1997) 524

Surface segregation

Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32
S. Delage, B. Legrand and F. Soisson, Phase separation and finite size: from symmetry to asymmetry 377–379 (1997) 551
R. Belkhou, J. Thiele and C. Guillot, Growth of Pt/Cu(100): formation of a surface alloy 377–379 (1997) 948
M. Polak and L. Rubinovich, Evaluation of basic surface segregation trends induced by short-range order in solid solutions 377–379 (1997) 1019
M. Schmid, M. Pinczolits, W. Hebenstreit and P. Varga, Segregation of impurities on Cr(100) studied by AES and STM 377–379 (1997) 1023
C. Gallis, B. Legrand and G. Tréglia, On the "exotic" behaviour of the Pt–Sn system 377–379 (1997) 1033

Surface stress

H.J.W. Zandvliet, Ordering of vacancies on Si(001) 377–379 (1997) 1
S. Gallego, C. Ocal and F. Soria, Surface and bulk reconstruction of Pt(111) 1×1 377–379 (1997) 18
G. Falkenberg, L. Seehofer and R.L. Johnson, Changes in the surface morphology of Ge(001) due to Sb adsorption 377–379 (1997) 75
A. Filippetti and V. Fiorentini, Reconstructions of Ir(110) and (100): an ab initio study 377–379 (1997) 112
H. Pietsch, A. Klust, A. Meier and J. Wollschläger, Growth instabilities of CaF_2 adlayers deposited at high temperature on Si(111) 377–379 (1997) 909

Surface structure, morphology, roughness, and topography

S. Tan, A. Ghazali and J.-C.S. Lévy, Monte-Carlo simulation of Pb/Cu (100) surface superstructures 377–379 (1997) 15
S. Gallego, C. Ocal and F. Soria, Surface and bulk reconstruction of Pt(111) 1 × 1 377–379 (1997) 18
Y. Matsumoto, Y. Aibara, K. Mukai, K. Moriwaki, Y. Okawa, B.E. Nieuwenhuys and K. Tanaka, STM studies of oxygen-induced reconstruction on a Pt–Rh(100) alloy surface 377–379 (1997) 32
J.M. Gómez-Rodríguez, J.-Y. Veuillen and R.C. Cinti, Scanning tunneling microscopy study of the Si(111)-($\sqrt{3} \times \sqrt{3}$)-Pb mosaic phase 377–379 (1997) 45
G. Cerrato, S. Bordiga, S. Barbera and C. Morterra, A surface study of monoclinic zirconia (m-ZrO_2) 377–379 (1997) 50
S. Poulston, A. Jones, R.A. Bennett and M. Bowker, An STM investigation of formic acid adsorption on oxygen precovered Cu(110) 377–379 (1997) 66
H. Metzner, Th. Hahn and J.-H. Bremer, Structure of sulphur-terminated silicon surfaces 377–379 (1997) 71
G. Falkenberg, L. Seehofer and R.L. Johnson, Changes in the surface morphology of Ge(001) due to Sb adsorption 377–379 (1997) 75
Ch. Ammer, K. Meinel, H. Wolter and H. Neddermeyer, Oxygen-induced restructuring of strained Cu layers on Ru(0001) 377–379 (1997) 81
O. Citterio, F. Mazzoleni, E. Monticone and G.B. Picotto, Surface characterisation of electroformed mirrors for an X-ray telescope 377–379 (1997) 98
S. Sugiyama, S. Yamamoto, O. Matsuoka, T. Honda, H. Nozoye, S. Qiu, J. Yu and O. Terasaki, Surface structure of synthesized mordenite crystal studied by atomic force microscopy 377–379 (1997) 140
S. Günther, A. Kolmakov, J. Kovac, L. Casalis, L. Gregoratti, M. Marsi and M. Kiskinova, Scanning photoelectron microscopy of a bimetal/Si interface: Au coadsorbed on Ag/Si(111) 377–379 (1997) 145
O. Gülseren, R. James and D.W. Bullett, Theoretical analysis of STM experiments at rutile TiO_2 surfaces 377–379 (1997) 150
S. Prestipino and E. Tosatti, Disordered flat phase in a solid-on-solid model fcc (111) surface 377–379 (1997) 509
U. Starke, W. Meier, C. Rath, J. Schardt, W. Weiß and K. Heinz, Phase transition and atomic structure of an Fe_3Si(100) single crystal surface 377–379 (1997) 539
M. Çakmak and G.P. Srivastava, A theoretical study of sulphur adsorption on InP(110) 377–379 (1997) 592
M. Kruft, B. Wohlmann, C. Stuhlmann and K. Wandelt, Chloride adsorption on Cu(111) electrodes in dilute HCl solutions 377–379 (1997) 601
M. Kiskinova and G. Paolucci, Spectromicroscopy of complex interfaces and real-time reaction studies at ELETTRA 377–379 (1997) 735
S. Fölsch, B.-Ch. Choi and K.-H. Rieder, Structure of ultrathin iron films on a highly asymmetrical substrate: Fe/Cu(311) 377–379 (1997) 851
E. Wetli, M. Hochstrasser and M. Erbudak, Epitaxial growth of Ag in the hexagonal structure 377–379 (1997) 876
G.E. Cirlin, V.N. Petrov, A.O. Golubok, S.Ya. Tipissev, V.G. Dubrovskii, G.M. Guryanov, N.N. Ledentsov and D. Bimberg, Effect of growth kinetics on the InAs/GaAs quantum dot arrays formation on vicinal surfaces 377–379 (1997) 895
H. Pietsch, A. Klust, A. Meier and J. Wollschläger, Growth instabilities of CaF_2 adlayers deposited at high temperature on Si(111) 377–379 (1997) 909
W. Weiß, Structure and composition of thin epitaxial iron oxide films grown onto Pt(111) 377–379 (1997) 943
S. Tan, A. Ghazali and J.-C.S. Lévy, Monte Carlo simulation of epitaxial growth on a (111) layer with mismatch 377–379 (1997) 997
J. van Wingerden, M.J. Haye, P.M.L.O. Scholte and F. Tuinstra, Nucleation of homoepitaxial Si chains on Si(001) at room temperature 377–379 (1997) 1006
V. Lacquaniti, E. Monticone and G.B. Picotto, Structural and surface properties of sputtered Nb films for multilayer devices 377–379 (1997) 1042
K. Bromann, H. Brune, C. Félix, W. Harbich, R. Monot, J. Buttet and K. Kern, Hard and soft landing of mass selected Ag clusters on Pt(111) 377–379 (1997) 1051
G.H. Fecher, Y. Hwu and W. Swiech, Chemical microimaging and microspectroscopy of surfaces with a photoemission microscope 377–379 (1997) 1106

Surface thermodynamics (including phase transitions)

H.J.W. Zandvliet, Ordering of vacancies on Si(001) 377–379 (1997) 1
D. Passerone, F. Ercolessi and E. Tosatti, High temperature study of flat reconstructed Au(100) and its vicinals 377–379 (1997) 27
M. Trabelsi, J.P. Coulomb, D. Degenhardt and H. Lauter, Structures of the nitrogen monolayer adsorbed on MgO(100) 377–379 (1997) 38
S. Vandré, A. Santoni, A. Goldoni, V.R. Dhanak and M. Sancrotti, High-temperature core-level photoemission study of Si(111) 377–379 (1997) 283
L. Gavioli, M.G. Betti, C. Mariani, A.I. Shkrebtii, R. Del Sole, C. Cepek, A. Goldoni and S. Modesti, Dynamics of the Si(100) surface 377–379 (1997) 360
M. Bienfait, P. Zeppenfeld, O.E. Vilches, J.P. Palmari and H.J. Lauter, Structure and phase transitions of D_2 + Ar mixtures adsorbed on graphite 377–379 (1997) 504
S. Prestipino and E. Tosatti, Disordered flat phase in a solid-on-solid model fcc (111) surface 377–379 (1997) 509
S. Delage, B. Legrand and F. Soisson, Phase separation and finite size: from symmetry to asymmetry 377–379 (1997) 551
D.M. Smilgies, P.J. Eng, E. Landemark and M. Nielsen, Sputtering of Ge(001): transition between dynamic scaling regimes 377–379 (1997) 1038

Surface waves

A. Franchini, V. Bortolani and R.F. Wallis, Surface localized modes in anharmonic systems at low dimensionality 377–379 (1997) 301

Acoustic waves

M. Boero, G.R. Nash, S.J. Bending, J.C. Inkson, P. Grambow, K. Eberl and Y. Kershaw, Surface acoustic wave scattering in quantum wire arrays: theory and experiment 377–379 (1997) 339

Magnons

M. Mingozzi, O. Donzelli, J.M.V. Ngaboyisonga and F. Nizzoli, Effect of magnetic anisotropies on spin waves of multilayers with antiferromagnetic coupling 377–379 (1997) 462

Phonons

M. Zitzlsperger, R. Honke, P. Pavone and U. Schröder, Ab initio calculation of the structure, the electronic states and the phonon dispersion of the Si(111)-(2 × 1) surface 377–379 (1997) 108

H.M. Tütüncü and G.P. Srivastava, A comparative study of atomic vibrations on GaAs(110) and InAs(110) 377–379 (1997) 304

I.Yu. Sklyadneva, G.G. Rusina and E.V. Chulkov, Vibrational states on Pd surfaces 377–379 (1997) 313

R. Honke, A.P. Mayer, P. Pavone and U. Schröder, Theoretical investigation of the surface dynamics of Si(111):H-(1 × 1) 377–379 (1997) 317

Ch.L. Spiel and G. Blahusch, Helium scattering from adsorbed gas layers observed via the generated phonons 377–379 (1997) 321

G. Bracco, L. Bruschi, L. Pedemonte and R. Tatarek, Temperature dependence of the Ag(110) surface phonons 377–379 (1997) 325

H.M. Tütüncü, S.J. Jenkins and G.P. Srivastava, Phonon modes for the symmetric and asymmetric dimer models of the Si(001)(2 × 1) surface 377–379 (1997) 335

G. Blahusch and Ch.L. Spiel, Neon desorption by the impact of helium atoms 377–379 (1997) 696

Plasmons

Y. Dou and R.G. Egdell, Surface properties of Cd_2SnO_4 ceramics doped with both In and Sb: a study by EELS and photoemission spectroscopy 377–379 (1997) 181

S.I. Bozhevolnyi and K. Pedersen, Second harmonic generation due to surface plasmon localization 377–379 (1997) 384

Thermal desorption

R. Linke, C. Becker, Th. Pelster, M. Tanemura and K. Wandelt, Adsorption of ethene on Cu(111) 377–379 (1997) 655

W. Hoffmann and C. Benndorf, Investigations on the influence of substrate geometry of flat and stepped ruthenium surfaces Ru(0001) and Ru(10$\bar{1}$8) on the adsorption kinetics of H_2O and D_2O 377–379 (1997) 681

S. Turton and R.G. Jones, Ethene stabilised by halogens on Cu(111) 377–379 (1997) 719

H. Uetsuka, K. Watanabe, H. Ohnuma and K. Kunimori, Infrared chemiluminescence study of the dynamics of steady-state CO oxidation on single-crystal PD surfaces: effect of oxygen pretreatment 377–379 (1997) 765

F. Vanolli, U. Heiz and W.-D. Schneider, Thermal chemistry of $Mn_2(CO)_{10}$ deposited on MgO thin films 377–379 (1997) 780

Tunneling

M. Boero, J.C. Inkson, G. Faini, C. Vieu, F. Laruelle, E. Bedel and C. Fontaine, A study of ion-implanted semiconductor nanostructures 377–379 (1997) 103

Vibrations of adsorbed molecules

C. Ruggiero and P. Hollins, Interaction of CO molecules with the Au(332) surface 377–379 (1997) 583

L. Vattuone, P. Gambardella, U. Valbusa and M. Rocca, HREELS study of O_2 molecular chemisorption on Ag(001) 377–379 (1997) 671

F. Boccuzzi, E. Guglielminotti, F. Pinna and G. Strukul, Surface composition and reactivity of bimetallic Au–Pt/ZrO_2 samples 377–379 (1997) 728

J.H. Miners, R. Martin, P. Gardner, R. Nalezinski and A.M. Bradshaw, Monitoring adsorbed species during oscillatory reactions using vibrational spectroscopy 377–379 (1997) 791

M. Borbach, W. Stenzel, H. Conrad and A.M. Bradshaw, Hydroxyl formation on Ag(110) studied bt HREELS 377–379 (1997) 796

K.L. Kostov, P. Jakob and D. Menzel, A new high density CO/oxygen coadsorbate layer on Pt(111) and its role in CO oxidation 377–379 (1997) 802

Y. Caudano, A. Peremans, P.A. Thiry, P. Dumas and A. Tadjeddine, Vibrational investigation of chemisorbed C_{60} by infrared–visible sum frequency generation spectroscopy 377–379 (1997) 1071

Wetting

F.D. Di Tolla, Interplay of melting, wetting, overheating and faceting on metal surfaces: theory and simulation 377–379 (1997) 499